CNBM | JETION SOLAR

Visionary Green Energy

2024

Sustainable Development Report

Jetion Solar (China) Co., Ltd.

Pursuing the Light, Empowering the Future

Jetion Solar

Provider of High-Efficiency Heterojunction Photovoltaic Products&Clean Energy Solutions

Contents

About the Report

This report is the second sustainable development report issued by Jetion Solar (China) Co., Ltd., which systematically presents economic, environmental and social performances of the Company in 2024, so that all stakeholders of the Company can disclose and demonstrate actions and performance in ESG governance.

Time Period

The Report is an annual one, covering our activities undertaken from January 1, 2024 to December 31, 2024, and may refer to the information of other years due to project continuity or significant impact.

Reporting Boundary

The Report covers Jetion Solar (China) Co., Ltd. and its four subordinate subsidiaries, including CNBM (Jiangyin) Photoelectronic Material Technology Co., Ltd., Jetion Solar (Tongcheng) Co., Ltd., Junfeng Solar (Jiangsu) Co., Ltd., and CNBM New Energy Engineering Co., Ltd.

When the specific data scope is inconsistent with the Report, we will indicate in the main text.

Reference Standards

The Report was prepared according to the *Sustainable Development Reporting Standards* (hereinafter referred to as "GRI Standards") of the Global Reporting Initiative, the *Reporting on Climate-related Financial Information* (hereinafter referred to as "TCFD") of the Task Force on Climate-related Financial Disclosures (TCFD), and the United Nations Sustainable Development Goals (hereinafter referred to as SDGs).

Data Sources

The data presented in the Report is extracted from the original data of the Company's actual operation, publicly available data from government departments, annual financial data, and relevant internal statistical statements. Unless otherwise stated, the data in the Report are in metric system and the currency unit is RMB.

Designation

For the convenience of expression and readability, Jetion Solar (China) Co., Ltd. is abbreviated as "Jetion Solar", "the Company", "Jetion Technology" or "We" in this report (unless otherwise specified in the text); CNBM (Jiangyin) Photoelectric Material Technology Co., Ltd. is abbreviated as "Photoelectric"; Jetion Solar (Tongcheng) Co., Ltd. is abbreviated as "Tongcheng"; Junfeng Solar (Jiangsu) Co., Ltd. is abbreviated as "Junfeng"; and CNBM New Energy Engineering Co., Ltd. is abbreviated as "New Energy".

Contact Information

The Report is issued both in Chinese and English versions, and the electronic version is available for download on the website (http://www.jetionsolar.com). In case of any discrepancy between the two versions, the Chinese version shall prevail. For any questions or suggestions regarding of the Report, please feel free to contact us by phone or e-mail.

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Email: complaint@jetion.com.cn

Tel.: 400 805 8057

Message from the Management

> Over two decades of trials and perseverance, Jetion Technology has always adhered to its mission of 'Empower the society with sustainable green energy, and create a better world with a better environment'. It has taken on heavy responsibilities in promoting the global energy transition and delivered an impressive achievement of high-quality development.

Innovation-led, driving a green future with the power of technology

"Only innovators can advance, only innovators can be strong, and only innovators can win". As a flagship enterprise in the new energy sector under China National Building Material Group, Jetion Technology has always regarded scientific and technological innovation as the primary driving force for its development. In 2024, we actively responded to General Secretary Xi Jinping's call to "accelerate green technological innovation and the promotion and application of advanced green technologies." Leveraging advantages in high-efficiency heterojunction technology, we continued to drive cost reduction and efficiency improvement in photovoltaic products, with module conversion efficiency reaching an industry-leading level. Guided by the Belt and Road Initiative, we accelerated our global layout, promoted green cooperation with technology export, and strived to provide efficient and reliable photovoltaic solutions for global customers.

Steady progress leads to long-term success, green technology paints the blueprint for the "dual carbon" goals

"Those who fails to plan for the whole cannot plan for a part". In response to the national "dual-carbon" strategic goals, our independently developed high-efficiency heterojunction modules have been widely recognized in the photovoltaic market with their core advantages such as high power generation efficiency, excellent temperature coefficient, outstanding bifaciality, low carbon footprint and strong weather resistance. The lightweight series products launched simultaneously, with innovative designs that combine lightweight and high strength, provide better solutions for distributed photovoltaic scenarios. They not only increase the full-life cycle power generation revenue of end-users by more than 15%, but also reduce the product carbon footprint by 30% through raw material innovation, effectively promoting the transformation and upgrading of the photovoltaic industry towards a green and low-carbon direction.

"National Priorities, Responsibility First".

With the sense of responsibility of a central state-owned enterprise, Jetion Technology has integrated social responsibility into its corporate DNA. We adhere to the "people-oriented" philosophy, carry out diverse training programs, and build platforms for employees' growth. Upholding the concept of compliant operation, we promote green procurement and compliance management throughout the entire chain to ensure win-win collaboration in the industrial chain. We actively engage in public welfare donations, contribute to the construction of Haian as a "Charity City", and create shared value for employees, customers, and other stakeholders.

Strive for Excellence, Forge a Steady Path Forward

We adhere to the "people-oriented" philosophy focus on details, and strive for excellence. In 2024, in the face of structural adjustments in the industry, we focused on "lean production, better quality and higher efficiency" as the core, and built a Six Sigma quality management system, and improved product yield. Through coordinated collaboration, we optimized internal governance and strengthened risk management and control, laying a solid foundation for the development of the enterprise.

"The road is long, but steps make dawn." Standing at a new starting point, Jetion Technology will bear in mind the instructions of General Secretary Xi Jinping, take scientific and technological innovation as the driving force, regard green development as its mission, and take responsibility as its foundation to deepen its focus on the new energy field. We firmly believe that with the unremitting efforts of all Jetion people, we will surely contribute more to the global energy transition and work together to create a green and bright future!

Wang Hailin, Secretary of the Party General Branch and General Manager of Jetion Solar (China) Co., Ltd.

About Jetion Solar

Company Profile

Corporate Vision as the Guide

Since its establishment in 2004, Jetion Solar has been among the first pioneers in China's photovoltaic industry. The Company has always taken scientific and technological innovation as its driving force, building a full-industry-chain ecosystem covering R&D and manufacturing of high-efficiency photovoltaic cell modules, smart power station development and operation, and clean energy system integration. Adhering to the vision of "Reshape a green and beautiful world with unlimited solar energy", the Company continues to inject green momentum into the global energy transition.

Global Responsibility in Action

Guided by the core values of "Efficiency, Integrity, Harmony and Innovation", the Company has built a service network spanning Asia, Europe and Africa, providing customized solutions for global benchmark projects such as the Poland Kami Photovoltaic Power Station, Nigeria Abia Photovoltaic Power Station and Bulgaria Yambol Photovoltaic Power Station. Through localized operation strategies, it deeply participates in the popularization program of renewable energy in local communities, and earnestly fulfills the sustainable development commitment of "Jetion Manufacturing, Global Sharing".

Intelligent Manufacturing Strength on Display

Leveraging the innovative advantages of being a national high-tech enterprise and Jiangsu Provincial Enterprise Technology Center, the Company has established 5 intelligent manufacturing bases covering the global, realizing full-process digital management and control. Through independently developed cutting-edge technologies such as TOPCon and HJT, the efficiency of mass-produced modules has continuously broken industry thresholds. Its products have obtained international authoritative certifications including TÜV SÜD and UL, been exported to over 80 countries worldwide, and earned multiple honors such as "the Most Influential Photovoltaic Module Enterprise".

Co-creating a Green Future

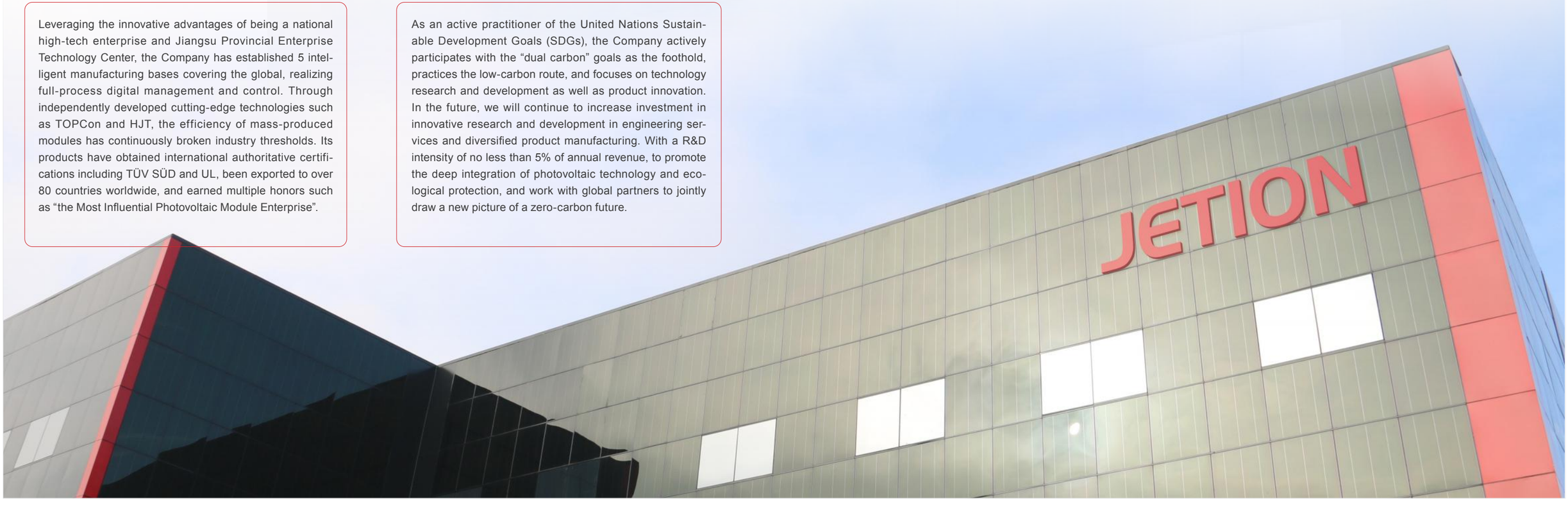
As an active practitioner of the United Nations Sustainable Development Goals (SDGs), the Company actively participates with the "dual carbon" goals as the foothold, practices the low-carbon route, and focuses on technology research and development as well as product innovation. In the future, we will continue to increase investment in innovative research and development in engineering services and diversified product manufacturing. With a R&D intensity of no less than 5% of annual revenue, to promote the deep integration of photovoltaic technology and ecological protection, and work with global partners to jointly draw a new picture of a zero-carbon future.

In 2024

operating revenue
3,927,155,739.72 yuan

with a R&D investment of
226,686,962 yuan

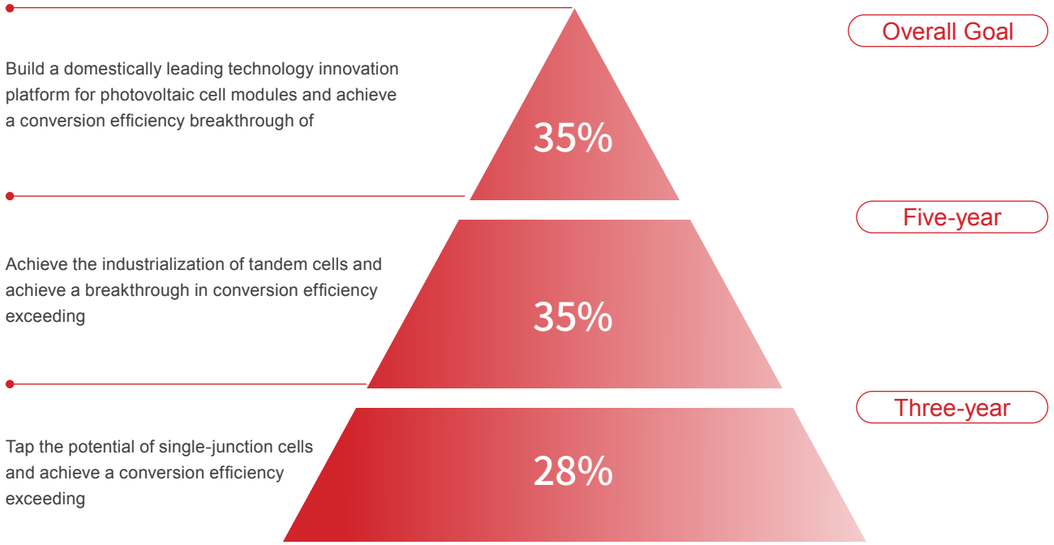
accounting for
5.77 % of the total

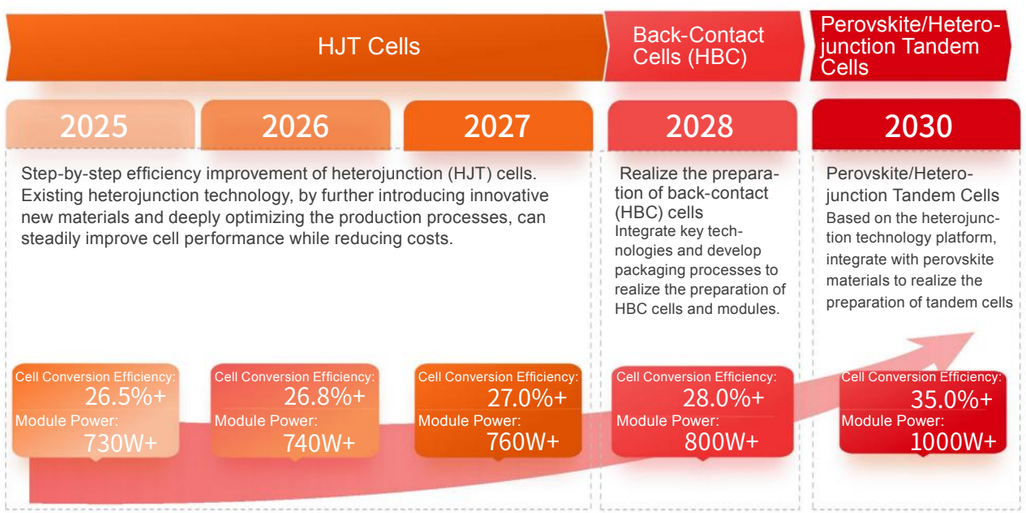


Technology Roadmap

Jetion Solar has always been committed to the development of new technologies and processes as well as their commercial transfer. The Company started with Al-BSF polysilicon, transformed to P-type PERC, and ultimately achieved the industrialization of N-type products.

We are always ready for technological upgrading. A clear and definite technical roadmap enables us to calmly face each round of technological challenges.





TOPCon Technology

·Relying on the compatibility of PERC production line to achieve rapid capacity expansion, with a market share reached 60%-70%

·Process improvement and yield enhancement, resulting in significant cost advantages, and a high proportion in the centralized market

·Mass production efficiency is approaching the theoretical limit, and the future growth will depend on the retrofit of existing production capacity

BC Technology

·Zero frontal occlusion, leading laboratory efficiency, and prominent advantages in distributed scenarios

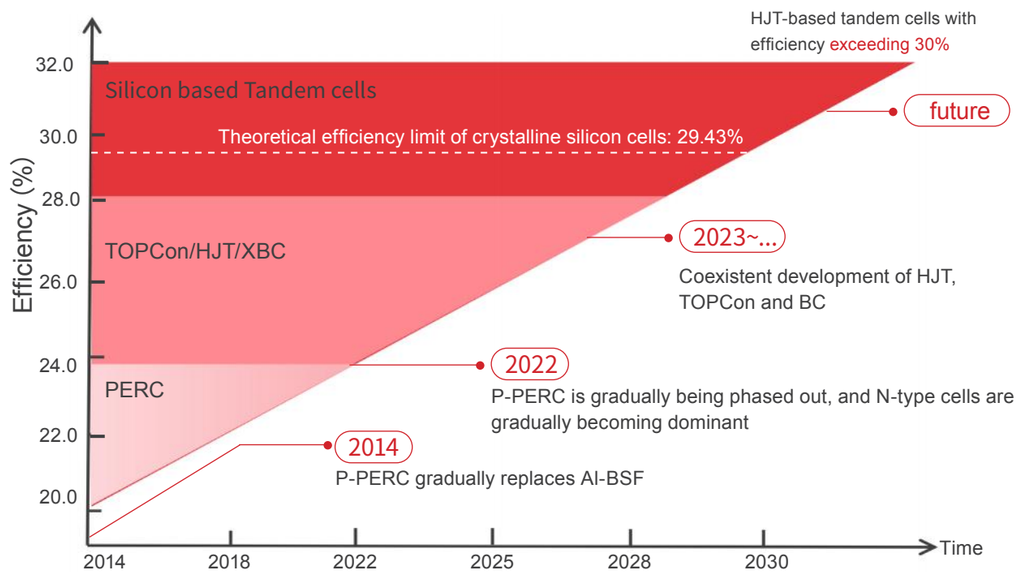
·Bottlenecks such as bifaciality rate and back-contact welding yield, and the cost premium restrict the penetration of ground power stations

HJT Technology (Jetion's Choice)

·Possessing advantages such as high bifaciality rate, low degradation, and favorable temperature coefficient, it achieves significant power generation gains in high-temperature/weak-light areas

·Cost reduction has met expectations, and it is expected to reach parity with TOPCon technology.

·With a low carbon footprint, it is compatible with the EU carbon tariff and other policies

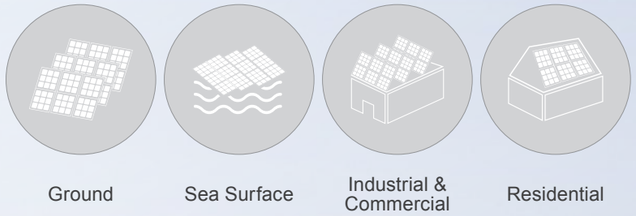


Global Footprint

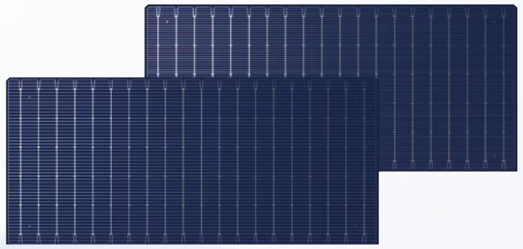
- Headquarter
- Manufacturing Plants
- Branches & Offices
- Warehouses

Jeniüs Full-Series High-Efficiency Cells and Modules

Adhering to the core philosophy of creating maximum value for customers, we continuously upgrade our product lines to ensure each series of products can effectively helps customers improve efficiency and reduce costs.



Highest Energy Efficiency 26.5%

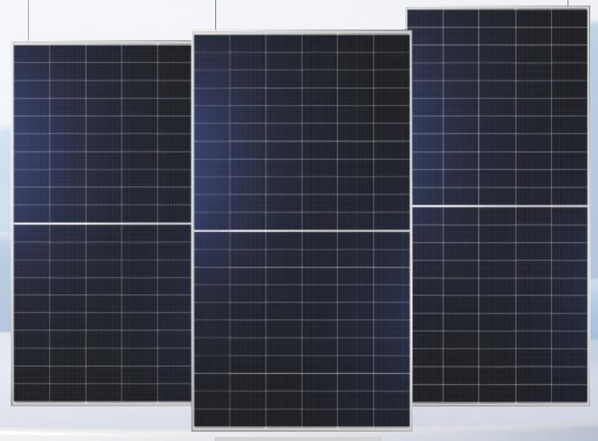


Heterojunction Cells

630~660w
210mm/60 Format

695~730w
210mm/66 Format

580~605w
210mm/55 Format



N-HJT

610~630w
182x210mm/66 Format

N-TOPCon 210R

505~525w
210mm/48 Format

N-HJT Lightweight

N-HJT Colored

250~410w
210mm/48 Format

440~455w
182x210mm/48 Format

Culture

Honors

January

Outstanding Award in the Solar Photovoltaic Track of the 1st Energy Electronics Industry Innovation Competition
Jetion Solar

2023 quality management activities were awarded the national industry benchmark
Jetion Solar

"Anhui Export Brand"
Jetion Solar (Tongcheng)

the list of "Per-Mu Benefit Leaders of Anhui Province"
Jetion Solar (Tongcheng)

February

"Wuxi Advanced Unit"
The Youth Commando of Jetion Solar's High-Efficiency Heterojunction Cell Project

March

TÜV SÜD Heterojunction Product Certification
Jetion Solar

April

Vice-Chairman Unit of Jiangsu Energy Research Society
Jetion Solar

May

Listed in Bloomberg's Tier 1 photovoltaic module manufacturer in the second quarter
Jetion Solar

June

"Top Photovoltaic Brand" by EUPD Research
Jetion Solar

"2023 Best Quality Award for Outdoor Demonstration Under Extreme Cold Climate in Mohe"
Jetion Solar

August

2024 Qualified Modules Supplier List of State Power Investment Corporation
Jetion Solar

Bloomberg's Tier 1 photovoltaic module manufacturer in the third quarter
Jetion Solar

September

China Green Building Material Product Certification
Jetion Solar

"Innovation Pioneer Award in the Photovoltaic Industry"
Jetion Solar

Awarded the "Innovation Excellence Award"
Dr. Guo Wanwu, Deputy General Manager

November

"Close Collaboration Award" from Tongwei
Jetion Solar

Bloomberg's Tier 1 photovoltaic module manufacturer in the fourth quarter
Jetion Solar

December

BRICS Industrial Innovation Competition Award
Jetion Solar

"Perovskite Photovoltaic Technology" Innovation Consortium in Wuxi
Jetion Solar co-founded

Milestones

In 2004
Jetion Solar was established in Jiangsu, China

In 2005
the first manufacturing plant was completed and the first 25 MW PV cell production line was put in to operation

In 2006
the first 30 MW PV module production line was put into operation

In 2007
Jetion Solar was listed on AIM of London Stock Exchange, Jetion Solar (Europe) was established in Liechtenstein, Europe; the annual production capacity of PV cells was increased to 50 MW; TÜV certificate was granted

In 2008
Jetion Solar was awarded “Top 50 High-tech and High Growth Enterprises in China 2008” by Deloitte, and granted the VDE certificate; the annual production capacity ramped up to100 MW for PV cells and 60MW for PV modules

In 2009
Jetion Solar was awarded “Top 50 High-tech and High Growth Enterprises in China 2009” by Deloitte, and granted the UL and CQC certificates; the annual production capacity ramped up to 75 MW for PV modules

In 2010
Jetion Solar was awarded “Top 50 High-Tech and High Growth Enterprise of China 2010” by Deloitte; Jetion Solar (Jiangsu) was founded, focusing on PV module production; Jetion Solar Power (North America), the first overseas production facility, was established in Charlotte, USA; Jetion Solar’s manufacturing facility was founded in Jiangyin Low-Carbon Industrial Zone, mainly engaged in PV cell production

In 2011
the annual production capacity of both PV cell and module ramped up to 500 MW; Jetion Solar was capable to invest and develop 100 MW PV power plants each year

In 2012
the annual production capacity ramped up to 700 MW and 900 MW respectively for PV cell and module; Jetion Solar had 12 subsidiaries worldwide and more than 3,000 employees globally

In 2014
Jetion Technology was restructured by China National Building Material Group Co., Ltd. (CNBM) and renamed Jetion Solar (China) Co., Ltd.; a factory was launched in Thailand, with a production capability of 100 MW PV cell and 200 MW PV module, ranking the first in market share in Thailand, with more than 130 MW shipments, a large-scale ground PV power plant was constructed in Xinjiang, with a capacity of 70 MW

In 2015
Jetion Solar ranked the first in the market share in Thailand, with shipments of more than 220 MW

In 2017
Jetion Solar (Tongcheng) Co., Ltd. was founded and mainly engaged in PV module production

In 2019
the annual production capacity ramped up to 1.2 GW and 1.5 GW respectively for PV cells and modules, and the global module shipments Jetion Solar of exceed 10 GW

In 2020
the annual production capacity ramped up to 2000MW and 2500MW respectively for PV cells and modules; Jetion Solar entered BloombergNEF’s Tier 1 List of Top PV Module Suppliers for the first time

In 2021
Jetion Solar launchedthe industry-leading Jeniüs550W+ 3rd-Generation high-efficiency products; Jetion Solar waslisted Bloomberg NEF’s Tier 1 list of first-tier photovoltaic module supplierscon-sistently.

In 2022
700W heterojunction solar module was launched, entering a new era of ultra-high power

In 2023
The first phase of the heterojunction solar cell factory is now operational, bringing the annual photovoltaic cell production capacity to 4.4 GW

In 2024
In 2024, marking the 20th anniversary of Jetion Solar, the Company launched 730W heterojunction solar module. Its cell production base was accredited as a “Smart Factory”, released an ESG report and obtained authoritative verification from SGS, and was awarded the world’s first product certification for heterojunction cells by TÜV SÜD

System Qualification Certification




ISO 9001 Quality Management System



ISO 14001 Environmental Management System



ISO 45001 Occupational Health and Safety System


ISO 50001 Energy Management System

Party Building Leads— Solidifying the Foundation of Corporate ESG Development with High-Quality Party Building

Since 2024, under the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, the Party Branch of Jetion Technology has thoroughly implemented the guiding principles of the 20th National Congress of the Communist Party of China (CPC) and the Third Plenary Session of the 20th CPC Central Committee. It has comprehensively enhanced the political and organizational functions of primary-level Party organizations, fully leveraged the key role of Party building in guiding business operations and advancing reform and development, and laid a solid foundation for the high-quality development of the enterprise. Specific efforts have been advanced in the following five aspects:

Strengthen Political Guidance and Align the Direction of Development

The Company has always taken the “Two Upholds” as the political benchmark, and continuously enhances the ideological and operational awareness of Party members and cadres in practicing the “Two Upholds”. By regularly organizing activities such as political theory study sessions and thematic seminars, the Company guides all employees to deeply understand the national strategic guidelines, ensuring that the development of the enterprise is in line with national strategies.

Promoting Strict Party Governance and Enhancing Governance Effectiveness

With the in-depth advancement of comprehensive and strict Party governance as an important means, we will conduct inspection and rectification work with strictness and practicality, and transform the rectification achievements into governance effectiveness for standardized management and risk prevention. We will improve internal management systems, strengthen supervision and accountability, and create a clean and upright environment for the healthy development of our Company.

Consolidating Primary-Level Party Building and Promoting In-Depth Integration

We take consolidating the foundation of primary-level Party building as a key focus of work, strengthen the role of primary-level Party organization as a “fighting fortress,” and advance the in-depth integration of Party building with ESG key areas such as production and operation, customer service, and green development. We give full play to the vanguard and exemplary role of Party members in work fields including project construction, technological innovation, and energy conservation and emission reduction, effectively solving many difficulties in production.

Strengthening Talent Development and Providing Intellectual Support

We attach great importance to the development of the cadre and talent team, regarding it as an important support for enterprise development. Through multiple approaches such as internal training, external further study, and on-the-job practice, we cultivate backbone forces with solid political integrity and strong professional capabilities, providing solid talent guarantees for ESG practice.

Shaping Cultural Brand and Demonstrating Responsibility and Commitment

With a distinct cultural and brand image as the carrier, we integrate the responsibility concept, compliance awareness and green pursuit guided by Party building into brand value. We promote the enterprise to achieve higher-quality development in environmental protection, social contribution and governance optimization, and consolidate the political foundation for realizing the coordinated and win-win development of the enterprise with society and the environment.

The Party branch of Jetion Technology strictly implements the Code of Conduct for Intra-Party Political Life Under the New Situation and earnestly implements systems including the “Three Meetings and One Lecture” system, democratic life meetings, organizational life meetings, and themed Party days. Throughout the year, it has held a total of **13** general branch committee meetings and **6** Party lectures delivered by the general branch leadership; it has convened **13** general branch meetings, deliberating on **76** Party and administrative topics. Meanwhile, it has urged all Party branches to earnestly carry out **41** themed Party days, **23** branch committee meetings, **36** general Party member meetings, **36** Party group meetings, and **10** Party lecture sessions.

In terms of learning and education, the Party branch has carried out **7** sessions of specialized study and discussion on Party discipline learning and education and the spirit of the Third Plenary Session of the **20**th Central Committee of the Communist Party of China, with 20 people making discussion speeches. During this period, it participated in the Knowledge Competition on Party Discipline Learning and Education of the Chinese Academy of Sciences and won the “third prize”. In 2024, Party members participated in the joint learning class of CNBM, the online themed class for studying and implementing the spirit of the Third Plenary Session of the 20th Central Committee of the Communist Party of China, and the training on the Regulations on Disciplinary Measures for Management Personnel of State-Owned Enterprises, with a completion rate of **100**%. At the same time, more than **100** copies of books and materials were distributed.

In terms of practical activity, the Party branch has actively carried out the campaign of “Contributing Based on Posts and Taking the Lead in Improving Quality and Efficiency”, guiding Party members to put forward suggestions and make focused efforts in product R&D, technological innovation and process improvement. Relying on the Party Member Vanguard Posts, it has given full play to the vanguard and exemplary role of Party members, fully promoting the activity of “Increasing Profits by One Jiao(0.1 yuan RMB) and Enhancing Management”, and tapping the potential for cost reduction and efficiency improvement from multiple aspects.

Themed Party Day Activity on “Party Building + Safety” Warning Education

Themed Party Day Activity of On-Site Study Tour with the Theme of “Sustaining Our Revolutionary Legacy and Remembering Our Original Aspiration and Founding Mission”

Shining Together Greening the Future

We support the United Nations Sustainable Development Goals (“SDGs”)

We support the Science Based Targets initiative (“SBTi”)

We support the United Nations Global Compact (“UNGC”)

We support the Responsible Business Alliance (“RBA”)

We support the Central Enterprise ESG Alliance

PV CYCLE

The Company explores the disassembly and recycling of waste photovoltaic modules, and is committed to establishing a sound product recycling and disposal system to ensure that photovoltaic products can be properly handled at the end of their service life, providing innovative solutions to bridge the “last mile” of the photovoltaic green chain. We have carried out long-term certification cooperation with PV CYCLE, a world-renowned photovoltaic module recycling organization, and are dedicated to achieving responsible and efficient photovoltaic waste management, as well as standardizing the disposal of solar panels and other types of waste. Meanwhile, the Company systematically recycles waste photovoltaic solar panels through on-site direct collection or PV CYCLE’s extensive collection point network, and organizes safe transportation to specialized waste treatment facilities, where they are subjected to harmless disposal in strict accordance with environmental standards.

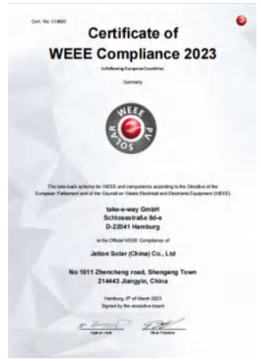

PV CYCLE

2024

JETION SOLAR (CHINA) CO., LTD.

WEEE

All module products exported to the EU comply with the WEEE Directive, and actively provide end-of-life solutions for customers in non-EU regions to support the global sales and recycling of photovoltaic modules. For the recycling and disposal of waste photovoltaic modules, Jetion Technology strictly abides by the EU’s *Waste Electrical and Electronic Equipment Directive* and operates the photovoltaic module recycling and reuse mechanism in full compliance with laws and regulations in Europe.


Certificate of WEEE Compliance 2023

Germany

take-e-way GmbH
Schlosstraße 56-e
D-22041 Hamburg

Jetion Solar (China) Co., Ltd

No 1011 Zhencheng road, Shengang Town
214443 Jiangyin, China

Chinese Standards

In terms of module disassembly and reuse, the Company actively promotes cooperation with scientific research and academic institutions, undertakes multiple national science and technology projects, and accelerates the research, investigation and application of new technologies and equipment. We participated in the compilation and release of the national standard *Physical Method for Recycling and Treatment of Crystalline Silicon Photovoltaic Modules*, and actively explore methods for sustainability of modules. In the future, we will study comprehensive utilization methods for waste photovoltaic modules, and promote the entire industry to achieve the goal of recycling, disassembling, separating and reusing waste photovoltaic modules.

Intelligent Connect of All Things

Building a comprehensive digital management system that deeply integrates scenarios such as intelligent warehouses, access control, consumption, permission, administrative integration, and training. Through technologies like face recognition, RFID, and mobile App, we have realized dynamic association between access control system and permission control: when employees enter or exit secure areas, their permission levels are automatically matched, ensuring production and data security; the consumption system integrates unconscious payment, allowing employees to pay quickly in canteens, convenience stores and other scenarios using their cards or phones; attendance data is combined with Beidou and Wi-Fi positioning to achieve precise management of mobile office and remote check-in; training sign-in uses QR code or online platforms to record participation in real-time, analyze effectiveness, and optimize course arrangements. After the data of each systems are interconnected, the IT department can analyze employee behavior patterns through AI to predict resource needs, optimize scheduling strategies, and link with energy management systems to reduce unnecessary energy consumption. This not only reduces administrative operation costs by more than 30%, but also minimizes human errors through automated processes. At the same time, it promotes the green transformation of the Company in a paperless and intelligent way, providing a reusable digital benchmark solution for the photovoltaic industry to implement the “dual carbon” goals.

Green Factory

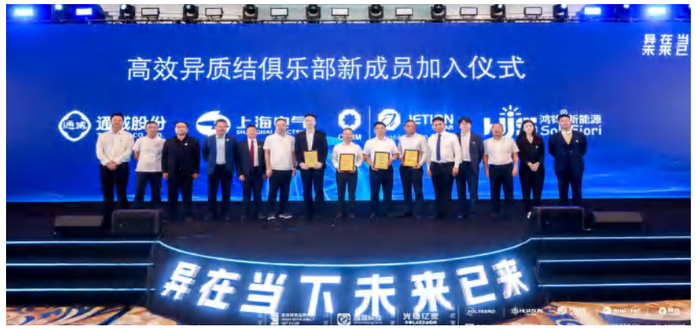
Green factory is an important carrier for enterprise to practice the concept of sustainable development, playing a key role in promoting efficient energy utilization and reducing environmental impacts. Taking Jetion Solar (Tongcheng) Company as an example, the glass curtain walls in its factory area are transformed into distributed photovoltaic power stations, with an annual power generation capacity of 1.41 million KWH. This not only meets 2.1% of the factory’s annual electricity demand, but also interprets the in-depth value of green factory through specific practices: reducing dependence on external power supply with clean energy as a substitute, while improving the enterprise’s energy economic benefits, it has established a circular model of “self-generation for self-use, surplus electricity for emission reduction”. Meanwhile, calculated based on the emission reduction of 0.785kg of CO_2 per kilowatt-hour of electricity, the annual emission reduction of this project is equivalent to 1,106 tons of standard coal, which is equivalent to the ecological benefit of cultivating 60,000 trees. It not only injects green development momentum for the enterprise, but also practices the “dual carbon” commitment with quantifiable environmental protection achievements.

This model which deeply integrates production space with energy production and ecological protection, highlights the key role of green factory in promoting energy structure transformation, reducing industrial carbon footprint, and setting industry environmental benchmark, thus achieving a win-win cooperation between economic benefits and environmental responsibilities.


JETION SOLAR

New Photovoltaic Track-Frontiers of Heterojunction Technology

On June 12, 2024, the High-efficiency Heterojunction HJT740W+ Club successfully held the “Heterojunction in the Present, Future Has Come” ——High-efficiency Heterojunction HJT 740W+ Industry Summit in Shanghai. The summit conducted in-depth discussions on hot topics such as cost reduction and efficiency improvement routes for heterojunction and empirical power station data, and released relevant white papers and joint statements. Jetion Solar was invited to attend the conference and received the membership medal at the new member admission ceremony, formally becoming a member of the China High-efficiency Heterojunction Club. The Club aims to point out the direction for the future development of HJT technology, enhance the confidence of various enterprise members, and promote the global green energy transformation. Joining the club will help Jetion Solar work with industry elites jointly promote HJT technological innovation and market expansion, and accelerate the widespread application of heterojunction technology worldwide.



Full Life Cycle Management

The Company conducts full life cycle management around the closed loop of product design, production, usage, and recycling.

Design Phase	Production Phase	Usage and Recycling Phase
Priority is given to low-carbon and environmentally friendly materials (such as recycled silicon and lead-free solder). The module structure is optimized to achieve product recycling and disassembly after the full-process traceability;	Green manufacturing processes are adopted, and energy consumption and carbon emissions are reduced through smart factories. For example, green electricity is used for energy supply, and a circulating water treatment system is employed to ensure compliance with green product certification;	Collaborate with downstream power stations to establish a recycling responsibility mechanism, and lay out physical/chemical disassembly technologies in advance to achieve the resource regeneration of materials such as glass, aluminum frames, and silicon materials. Unite with well-established product recycling and processing systems like PV CYCLE. Embed the carbon footprint accounting system, build a transparent ESG disclosure framework, and ultimately achieve a green regeneration closed-loop management from design to production, reducing environmental risks and enhancing resource value.

Carbon Offsetting and Ecological Restoration

Green electricity is used in the production process (Tongcheng and self-built rooftop photovoltaic project in optoelectronics sector). High energy-consuming processes such as cell manufacturing are optimized to reduce unit carbon emissions. Reuse technologies such as closed-loop recycling of silicon materials, purification of silver paste, and silver-coated copper processes are promoted to reduce carbon emissions from raw material extraction and processing. The Company participates in renewable energy projects to offset the remaining emissions, adopt environmentally friendly materials such as fluorine-free back plates and lead-free solders at the production end to reduce heavy metal pollution in production wastewater, and build a circulating water treatment system. In power station construction, measures such as topsoil preservation and laying light-transmitting module supports combined with agricultural and fishery photovoltaic complementary models are adopted to restore soil fertility or aquatic ecosystems. A module recycling production line has been established to separate and recycle materials such as glass and aluminum frames. Toxic substances like fluorinated back plates are subjected to high-temperature harmless treatment to avoid landfill pollution. Explore the establishment of long-term mechanisms such as ecological certifications like ECOLOGO to enhance international competitiveness.

Remarkable Achievements-Honor Witnesses Strength, Responsibility Builds Brand

EUPD Research
"Top PV Brand"Award

First Energy Electronics Industry Innovation Competition
Excellence Award

First National Building Materials Industry
Quality Benchmark Enterprise

Jetion Solar was awarded

Outstanding Quality Management Team in the National Building Materials Industry

Outstanding Quality Trustworthy Team in the National Building Materials Industry

"SNEC Top 10 Highlights Selection"
GW-Class Gold Award

Wuxi CarbonNeutrality Industry Promotion Association
First-Session Director Unit

China Photovoltaic IndustryAssociationPer-ovskite Professional Committee
Member Unit

Jiangsu ProvincialEnergy Research Association
Vice Chairman Unit

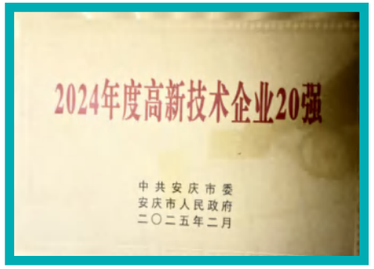
2024 BRICS Industrial Innovation Competition Finals
ExcellentProject Award

2024 SMM "BrillianceCup"
Dual Awards

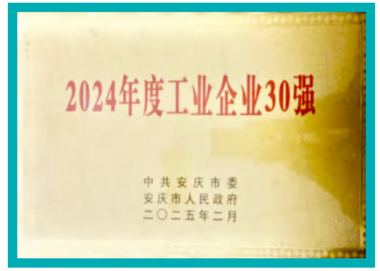
Jetion Solar (Tongcheng) was awarded

2024 High-tech Enterprise Certificate

Nomination Award of the 10th Anqing Municipal People's Government Quality Award



Top 20 High-tech Enterprises of 2024



Top 30 Industrial Enterprises of 2024

Devotion to R&D-Innovation Drives Development, Technology Empowers Low-Carbon

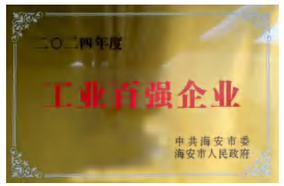
CNBM (Jiangyin) Photoelectronic Material Technology Co., Ltd.

- First Product-Certification Certificate for Heterojunction Modules
- Three-star and four-star cloud migration, smart workshop
- Megawatt-class Demonstration Power Station with Significant Scientific Research Achievements
- Core Unit of the “Perovskite Photovoltaic Technology” Innovation Consortium in Wuxi

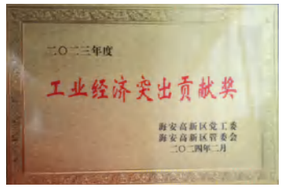
Junfeng Solar

- Two-star cloud migration, digital transformation standard compliance

- 2024 Top 100 Industrial Enterprises



- 2023 Industrial Economy Outstanding Contribution Award



Green and New Development Efforts

In 2024, Jetion Solar has cumulatively delivered products to over 83 countries and regions

Actively participated in formulating and releasing 4 industry standards

Recycling and Treatment Method of Crystalline Silicon Photovoltaic Module-Physical Method	National	GB/T 43752-2024
Test Method for Electroluminescence Imaging of Crystalline Silicon Photovoltaic Modules	Group	T/CPIA 009
Guidelines for the Production and Use of Crystalline Silicon Photovoltaic Reference Devices	Group	T/CPIA 0012
Technical Specification for Perovskite Heterojunction Tandem Cells	Group	T/CIET 655-2024

Association

China Photovoltaic Industry Association	Standing Member	2021 to 2026
Jiangsu Photovoltaic Industry Association	Standing Member	2022 to 2027
Jiangsu Energy Research Society	Vice-Chairman Member	2024 to 2029

Jetion Solar strictly abide by national and local environmental protection policies and regulations, and achieved the goals of “zero environmental pollution incidents, 100% pass rate of three-waste discharge, and 100% standardized treatment of hazardous waste in 2024”.

2024 Highlights

Economic Performance

The operating revenue was
3,927,155,739.72 yuan

Environmental Performance

Environmental Management System

Environmental protection investment:
18.5 million yuan

smart workshop certification
1

2 bases and the headquarters have obtained ISO 14001 environmental management system certification

0 environmental violations and penalties

Energy Management

Clean energy consumption:
2,395,766 kilowatt-hours

Water Resource Management

Water savings:
47,000 tons

Recycled water consumption:
47,000 tons

Governance Performance

Compliant Operation

0 confirmed corruption incidents

0 lawsuits arising from unfair competition

100 % anti-corruption and anti-bribery training for relevant parties

Female proportion on the Board of Directors:
20 %

9 audits conducted throughout the year

with a
100 % rectification rate

Information Security

0 information security incidents occurred throughout the year

Green Supply Chain

Due diligence conducted on
72 suppliers

Social Performance

Employees' Basic Rights and Benefits

Female employees account for
38.6 %

0 incidents involving human rights violations such as child labor, forced labor, discrimination, and harassment

Employee Development Rights and Benefits

Annual training:
139 sessions

training:
998 persons

EHS training:
3,827 persons

Quality Safety

0 product recalls due to quality issues

R&D investment:
226.68696274 million yuan

R&D investment accounting for
5.77 %

New patents:
8

Customer satisfaction rate:
90 %

Occupational Health and Safety

2 bases and the headquarters have obtained ISO 45001 occupational health and safety management system certification

01

Compliance Gathers Strength
Governance Shines Anew

2024 Key Performance

No major risk liabilities have been identified

Safety awareness training coverage rate:
100%

Identified
7 categories of stakeholders

Confirmed
22 material topics

Responded to the United Nations Sustainable Development Goals

Actions

- Corporate Governance
- Internal Control System
- Law-based Enterprise Governance
- Compliant Operations
- Promote Sustainable Development

Corporate Governance

Clarity of Rights and Responsibilities and Compliance Building

The Company firmly believes that a sound governance structure is a crucial guarantee for the sustainable development of the enterprise. We strictly abide by laws and regulations such as the *Company Law of the People's Republic of China* and the *Administrative Measures for the Development Plan of Central Enterprises*. We have established a three-tier governance structure with the board of directors at its core (general meeting of shareholders, board of directors, and management level), clarifying the boundary of rights and responsibilities at each level. And through the *Articles of Association*, the decision-making process and supervision mechanism are refined, and the environmental and social responsibility goals are incorporated into the strategic decision-making framework of the board of directors, achieving a deep binding of governance goals and business development.

The Company has clear capital ownership and distinct financial relationships. It prioritizes internal retained earnings financing to optimize its capital structure and introduces external auditing institutions to conduct independent audits of financial processes, ensuring the economy and transparency of fund utilization. Optimize centralized fund management platform to achieve efficient fund allocation for the entire group's businesses. Meanwhile, support clean technology R&D through specialized funds, enhancing financial resilience and ESG investment returns.

Risk Prevention and Control and Compliant Operations

The Company has established an independent audit department to conduct full-process supervision over links such as major business decisions, bidding and procurement, and personnel appointments and removals. It has also realized risk warning and dynamic management through digital systems (such as ERP and OA). Within the framework of industry self-discipline, it actively participates in the coordinated production reduction plan for the cell module sector, and balances market supply and demand through production quota management to avoid systemic risks caused by low-price dumping.

In alignment with international standards (such as anti-bribery management systems and anti-monopoly regulations), the Company regularly conducts compliance training for all employees, and incorporates anti-corruption and anti-monopoly clauses into supplier cooperation agreements. Through the supply chain ESG rating system, core suppliers are required to commit to carbon emissions reduction and labor rights protection, forming a responsible ecosystem of upstream and downstream linkage.

Stakeholder Communication and Decision-Making Transparency

The Company maintains frequent interactions with shareholders, employees, customers and communities through multiple channels (such as general manager's office meetings, industry exchange conferences, ESG specialized training and reports). During the industry downturn, it proactively disclosed plans for adjusting technical routes (such as the layout of BC cells and perovskite tandem technologies) to enhance market confidence and guide long-term investment expectations.

The Company implements a dual-drive mechanism of "economic incentives + career development", and enhances employees' sense of belonging through equity incentive plans and skill training. Encourage the R&D team to propose technical improvement plans, and link the outcomes with performance appraisal. A total of more than 8 patented technologies were implemented in 2024.

Innovation-Driven and Sustainable Development Governance

The Company incorporates technological innovation into its governance strategy and establishes a specialized committee to coordinate technical route selection and resource allocation. Through the technological iteration of N-type HJT cells, the module efficiency has exceeded 24%. Meanwhile, it has set up a zero-carbon factory standard and decomposed emission reduction targets into production process. In terms of industry self-discipline, the Company actively responds to the call of the China Photovoltaic Industry Association, participated in formulating a "reference price" for module and cell costs, and maintained a sound competitive environment in the industry by resisting the chaos of low-price bidding.

The Company quantifies governance effectiveness through performance indicators, incorporates them into the salary assessment system, and binds environmental, corporate governance and sustainable development goals with management performance, striving to reach the advanced level in the industry.

Digitalization and Globalization Synergy

The Company plans to further strengthen its digital governance capabilities, intelligently connect all devices, build a data control platform, and achieve monitoring and disclosure of indicators such as carbon emissions and supply chain compliance. At the same time, drawing on advanced governance experience within the industry, implement localized systems in overseas bases and offices, integrate into local community governance networks, and avoid the risks of geopolitical and cultural conflicts.

Internal Control System

In accordance with the *Basic Norms for Enterprise Internal Control, Guidelines for Enterprise Internal Control Evaluation and Internal Control System Evaluation Management Measures of China National Building Materials International Engineering Group Co., Ltd.* issued by the Ministry of Finance and four other ministries, and based on the audit management system of the superior group and our Company's sound internal control management, the Company has strengthened internal control and audit supervision. We have formulated systems such as the *Internal Audit System, Internal Audit Work Specifications,* and *Internal Control System Evaluation Management Measures*. During the reporting period, the Company enhanced control requirements in high-risk areas. By identifying key control points, focusing on the effectiveness of implementation, and adopting measures such as separation of duties and reasonable authorization, it has effectively ensured the accuracy and reliability of internal control monitoring data.

The internal control evaluation work is organized and implemented in accordance with the principles of "unified requirements, hierarchical responsibility, and step-by-step implementation". Each level of subsidiaries conducts a comprehensive self-evaluation of the internal control system annually. The senior management of the Company may authorize the internal control system evaluation department or a special institution of the Company to be responsible for the specific organization and implementation of the internal control system evaluation work, and is responsible for the authenticity of the internal control system work report.

The Company's internal control system evaluation department mainly adopts two methods in carrying out the internal control system evaluation work: self-implementation and entrusted implementation:

self-implementation

For self-implementation, an internal control evaluation working group will be organized, consisting of business backbones who are familiar with the situation in finance, investment, enterprise management, human resources, law, auditing, etc., to specifically carry out the internal control evaluation work. Members of the evaluation working group shall implement a recusal system for the internal control evaluation work of their own departments.

entrusted implementation

For entrusted implementation, qualified social intermediary agency may be entrusted to conduct the internal control evaluation. However, intermediary agency providing the internal control audit shall not undertake this evaluation work simultaneously.

In accordance with regulatory requirements and actual business needs, the Company conducts audits on key departments annually. In 2024, it carried out 9 internal audits and accepted 9 external audits, including economic responsibility audits of leaders, financial revenue and expenditure audits, full-coverage audits of overseas companies, and audits on the effectiveness evaluation of the internal control system. No major risk liabilities were identified.

In 2024

it carried out	accepted	
9 internal audits	9 external audits	No major risk liabilities were identified

Law-based Enterprise Governance

The Company adheres to governing the enterprise in accordance with the law, providing a strong guarantee for building a world-class law-based enterprise. In accordance with management systems such as the *Articles of Association* and the *Measures for the Administration of the Formulation of Articles of Association of Member Enterprises of China National Building Materials Group Co., Ltd.*, we legally clarified the responsibility boundaries of each governance entity and established a corporate governance structure system featuring "statutory powers and responsibilities, transparent powers and responsibilities, coordinated operation, and effective checks and balances". We have conducted internal control test evaluations covering all business sectors, optimized internal control processes, and formulated various guidelines for operational compliance, such as the *Measures for the Administration of Board Authorization* and the *Measures for the Administration of Performance Benefits and Business Expenses of Enterprise Responsible Persons*, so as to effectively resolve legal issues and create a better business environment.

Compliant Operations

Anti-corruption

We regard anti-corruption and business ethics as the top priorities in enterprise behavior management. We strictly abide by various national laws and regulations such as the *Company Law of the People's Republic of China*, the *Supervision Law of the People's Republic of China*, and the *Anti-Unfair Competition Law of the People's Republic of China*. Through improving the management structure, implementing systems, conducting training and publicity, and carrying out regular supervision, we have strengthened the internal control mechanisms in aspects such as anti-corruption and anti-bribery, and are committed to conducting business activities with a compliant and honest corporate image. The Company has issued the *Code of Business Ethics*, which clarifies the anti-corruption and business ethics norms that Jetion Solar and its subsidiaries need abide by in business operations and all employees in the course of performing their duties. The Company has also issued explicit requirements on anti-fraud, clearly promoting the specific requirements and boundaries of integrity to all employees and senior executives. All employees are required to "Never Cross the Red Line".

We strictly abide by laws and regulations such as the *Company Law of the People's Republic of China*, as well as relevant domestic and international business ethics standards. We have formulated the *Anti-Corruption Rules* and put forward requirements for employees to abide by business ethics. We have also extended our high standards of integrity to suppliers, signing the *Integrity and Cleanliness Commitment* with them to jointly implement transparent procurement and integrity building. During the reporting period, no corruption-related litigation cases occurred in the Company.

Sign the Responsibility Letter for Clean Governance and Anti-Corruption

online reporting email

- complaint@jetion.com.cn

We adopt a "zero-tolerance" attitude towards all violations of business ethics. We have formulated regulations such as the *Anti-Corruption Rules* and *Anti-Money Laundering Norms*, and opened multiple channels including the General Manager's Mailbox and the online reporting email (complaint@jetion.com.cn) to receive complaints and reports about integrity violations. At the same time, we attach great importance to the protection of complainants and reporters, and implement effective protection measures for them. It is strictly prohibited to disclose the reporter's name, department, company name and other information to the reported person or their department. When investigating and verifying the situation, the original or copy of the report materials must not be shown. It is strictly forbidden to expose the reporter, anonymous report letters and materials, or identify handwriting. Report materials must not be lent out at will, and any retaliation against reporters is strictly prohibited. Anyone who violates the regulations will be dealt with seriously in accordance with the law, and the reporter protection policy will be fully implemented.

Risk Control

Jetion Solar attaches great importance to compliance governance and risk control. It has formulated internal control processes and systems such as the *Compliance Evaluation Management Procedure* and compliance evaluation reports, and established a standardized and effective enterprise compliance management system and risk management system. By systematically identifying and comprehensively analyzing the risks related to business operations and internal control objectives, and promptly formulating risk response strategies in light of the Company's actual situation, so that risks can be effectively prevented and the control level can be enhanced, and ultimately achieving the control objective of "strengthening internal control, preventing risks, and promoting compliance".

Meanwhile, the Company continues to establish and improve its compliance management system. By identifying and assessing risks and opportunities related to the internal and external environment of the Company, it fully understands the core demands of each stakeholders and identifies relevant risks and opportunities, thereby determining the coverage of the compliance management system and promoting the Company's strategic development and risk control.

The Company comprehensively identifies and responds to the risks and opportunities existing in the production and management activities of each departments. The methods are as follows:

Identification of Risks and Opportunities

- Confirm the existing risks and record the evaluation results in the *Risk and Opportunity Assessment and Analysis Form*;
- During the process of identifying and responding to risks and opportunities, the responsible department shall conduct a thorough screening and identification of potential risks in terms of location, process and personnel.

Evaluation of Risks

- For the identified risks, evaluate them from two aspects: severity and occurrence frequency. The evaluation shall be carried out in accordance with the evaluation criteria specified in this procedure;
- By confirming the severity and occurrence frequency of risks, determine the acceptable risk coefficient, and then formulate corresponding risk response measures based on this coefficient.

Evaluation of Risk Severity

- After determining the severity of risks, fill the severity scores into the *Risk and Opportunity Assessment and Analysis Form*.

Risk Control

- When the risk coefficient is too high, risk avoidance or risk reduction measures shall be taken to reduce the harm or loss caused by the risk.

Review of Risks and Opportunities

- Implement a review of risks and opportunities at least once a year to verify its effectiveness.

After analyzing the risk assessment form, the domestic economy in 2024 still faced relatively large triple pressures of demand contraction, supply shock, and weakening expectations. Under the complex external environment, the photovoltaic industry has slow growth and its profit margin is rapidly compressed. The unstable external political environment, severe economic situation, failure to grasp changes in time and insufficient in-depth investigation of the international market, lead to the risk of inaccurate timing of market entry, and insufficient development of market business volume resulting in losses in international operations. At present, the United States and other Western countries are exerting pressure on China in multiple fields either individually or jointly to suppress China's overseas enterprises or major projects. To enact targeted laws and regulations to protect their own interests, and implementing long-arm jurisdiction through the enactment of bills and other forms.

Our response methods are as follows:

Continuously pay close attention to the national policy orientation, the changes in the domestic and international markets, and make dual predictions of security and development;

Based on the Company's strategic planning, the trends of the domestic and international economic environments, and combined with the business development models, analyze various products and business models. Organizing information follow-up and analysis on the basis of the Company's existing resource allocation;

While developing business, the overseas sales department shall strengthen the collection and analysis of international market information, and collect information including but not limited to international trade laws and regulations, industry briefings, exhibition publicity materials, policy agreements for market development countries, bilateral transaction rules, and industry trends through various channels;

Regularly organize and carry out post-evaluation work on overseas market development. Conduct a comprehensive evaluation of successful and failed cases of overseas market development from the aspects of market information acquisition, analysis, follow-up and implementation, timely identify the weak links in overseas market information research and analysis, further strengthen the management information collection and analysis management, and improve the scope, efficiency and outcome of information application;

Continuously do a good job in risk prevention and control, adopt response measures such as prevention first, timely response, risk assumption and timely avoidance, properly handle relevant risk events, reasonably resolve risks, and seize development opportunities in risks.

Information Security

Jetion Solar attaches great importance to information security and data protection. It always adheres to the red line of the law and the bottom line of morality, and strictly complies with the requirements of laws and regulations in the operating locations, such as the *Cyber Security Law of the People's Republic of China*, the *Data Security Law of the People's Republic of China*, and the European Union's *General Data Protection Regulation* (GDPR). Meanwhile, benchmarking against international standards such as ISO 27001, it comprehensively carries out information security management work in three major fields: security system, security technology, and security operation.

Management Mechanism

In accordance with the principles of "unified standards, guaranteed application, compliance with regulations, comprehensive prevention, and integrated sharing", the Company has formulated a series of standardized documents such as the *Data Center Computer Room Management System, Confidentiality Management Measures, Compilation of Security Management Systems*, and *Security Education and Training Management System*. It is clearly stipulated that all system platforms accessing the business environment must complete security configurations and undergo regular checks and reviews to eliminate the risks of default configurations.

In 2024, to strengthen the management of malicious code prevention, improve the security of network information systems, and eliminate controlled incidents of network viruses, worms, and botnet, we formulated the *Emergency Response Plan for Data Center Computer Rooms*, which clarifies the handling procedures and responsibilities for data leakage incidents. Additionally, by organizing emergency drills for scenarios such as data leakage, phishing emails, and ransomware attacks, we have enhanced employees' ability to analyze, make decisions and handle sudden information security incidents, and established a sound emergency response mechanism for information security incidents.

Management Measures

The Company strengthens network and system security management through multiple technical measures:

Real-time network device monitoring

Real-time monitoring of the operating status and various performance indicators of network devices through network management system;

Network configuration security check

Regularly conduct security checks on network device configuration information, and promptly analyze and repair the security vulnerabilities found in configuration files;

System version security update

Check the IOS version information of network devices, conduct security analysis and corresponding updates on the IOS system with low versions or security vulnerabilities;

Redundant backup and recovery testing

The core switching network area and key network area should implement redundant backup of network devices and links, and regular redundancy recovery testing should be conducted;

External access channel control

When external networks access the internal network, a dedicated network channel is adopted for access;

Remote Access Encryption Authorization

All access of remote users to internal network resources via the Internet should be authorized and approved, and carried out through VPN access to achieve encrypted protection of transmitted data, secure isolation, access control and authentication encryption management;

Security incident monitoring and early warning

Timely deployment of security operation and maintenance monitoring systems in the network system to monitor and warn of network security incidents occurring in the network system;

Regular network vulnerability patching

Regularly conduct vulnerability scans on the network system and promptly patch security vulnerabilities found.

Risk Prevention and Control

The Company incorporates information security risks into normalized management. In 2024, the Company conducted a group-wide information security risk assessment. Based on the NIST/ISO framework, it systematically identified threats and vulnerabilities in infrastructure such as industrial control systems and cloud platforms, as well as assets including R&D, production, and customer data. Through matrix rating (high/medium/low), it formulated avoidance, mitigation or transfer strategies, deployed automated tools (vulnerability scanning, log analysis) and GRC platforms to track progress, forming a PDCA cycle to optimize resource allocation. Meanwhile, the Company has established a sound vulnerability management process. Third parties conduct vulnerability scanning every quarter and provide detection reports to timely identify and improve system information security risks.

Data Protection and System Prevention

The Company has formulated an information privacy protection policy, clarifying the handling principles for information related to customers, employees, and suppliers as well as data transmission specifications, and has established a specialized protection mechanism for overseas markets. In 2024, the Company's information department conducted an annual security detection on the Sangfor cloud management platform for its cyber security construction. By configuring security protection strategies, it effectively intercepted attacks and injection behaviors such as command injection, SQL injection, and XSS attacks targeting HTTP-based web application servers, ensuring the data security and stability of business operations. Currently, all items in the platform health check are normal.

The Company has established a regular system detection mechanism: an external detection of the information security management system is conducted once a day; an internal security detection is carried out monthly in accordance with the *Operating System Security Configuration Specifications*; and system vulnerability scanning and industrial control traffic analysis are performed quarterly. During the reporting period, the Company did not experience any incidents related to information security breaches or customer privacy leaks.

Information Security Training

The Company regards the enhancement of information security awareness as a key link and conducts training through a combination of internal and external methods in accordance with the Safety Education and Training Management System. Internal training methods include organizing information security knowledge lectures, internal study seminars, information security knowledge competitions, distributing publicity manuals and bulletins, etc.; External training methods include participating in training courses organized by third-party information security professional institutions, or inviting information security experts and other professionals to provide training for employees. New employees must attend training within 3 months of joining the Company; personnel changes in key/sensitive positions require on-the-job training; all employees must receive complete training covering usage regulations before using any information technology devices (including software and hardware). Every year, technical personnel are dispatched to participate in external safety training, seminars or product exhibitions to keep abreast of the latest security technologies. In 2024, all employees participated in security awareness training, and IT personnel received regular emergency training, which effectively improved the overall security skills.

Information Security Training

IT External Training


Case “Gathering” Stars in the “Cloud”, Informatization Achievements Construction

In December 2024, the Optoelectronics Base created a highly intelligent production environment by introducing advanced production equipment, establishing an efficient MES system, and advancing the three-dimensional warehouse construction. It successfully made the list of Jiangsu Provincial Intelligent Manufacturing Demonstration Workshops in 2024. Recently, the Base has further obtained Jiangsu Provincial Three-Star and Four-Star Cloud Adoption Certifications by optimizing its network architecture, enhancing hardware facilities, and strengthening security safeguards. At the Junfeng Solar Base, through comprehensively sorting out business processes, optimizing organizational structures, and improving employee skills, the Base has successfully completed the standardization work for digital transformation; at the same time, it has also obtained the Jiangsu Provincial Five-Star Cloud Adoption Certification.

In promoting the in-depth integration of green manufacturing and digital transformation, the Company has built a dual-drive development model of intelligence and digitalization through the collaborative innovation practices of its Bases. The Optoelectronics Base, with the introduction of intelligent production equipment, MES systems, and three-dimensional warehouses as the cornerstone, has created a full-process visualized intelligent manufacturing system. Its achievements in winning the Jiangsu Provincial Intelligent Manufacturing Demonstration Workshop title and the “Three-Star” and “Four-Star” Cloud Adoption Certifications have not only achieved technical breakthroughs with a 20% increase in production efficiency and a 15% reduction in energy consumption but also formed a replicable industrial internet application paradigm. Meanwhile, the Junfeng Solar Base, through the systematic restructuring of business processes and organizational structures, combined with the project of cultivating employees’ digital capabilities, has completed the standardization of digital transformation and won the “Five-Star Cloud Adoption” Certification, marking that the enterprise’s data governance level has reached the industry-leading standard.

The collaborative evolution of the two Bases has not only built a full-value-chain cloud service ecosystem covering R&D, production, and warehousing but also deeply integrated technological innovation with ESG concepts by reducing carbon emissions and the use of paper documents. This has explored a practical path for the photovoltaic industry to empower green manufacturing with digital twin technology, demonstrating the enterprise’s benchmarking value in the fields of intelligent manufacturing and sustainable development.


Promotion of Sustainable Development

Sustainable development strategies and goals

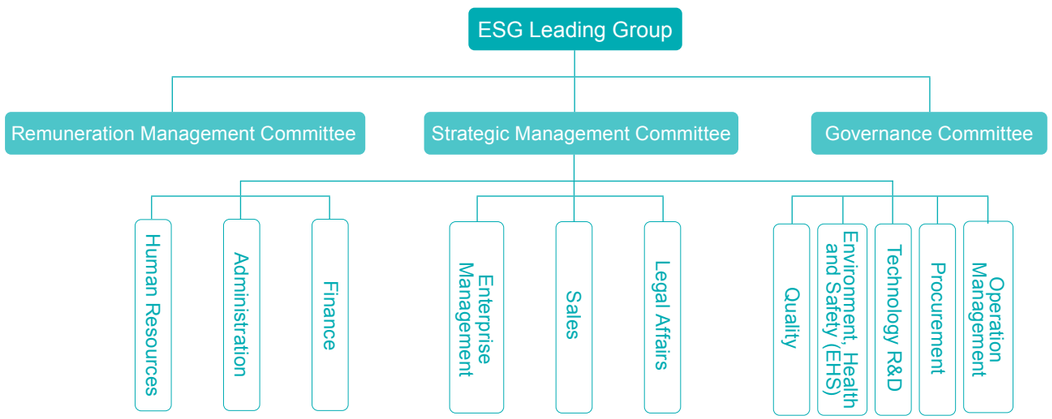
Jetion Solar adheres to the mission of “Empower the society with sustainable green energy, and create a better world with a better environment”. It regards sustainable development strategy as the core of its business philosophy and corporate culture. By analyzing ESG standards in the global photovoltaic industry and keeping abreast of policy developments in various countries, the Company has formulated goals in the fields of environment, society and governance. In 2024, integrating the results of stakeholder surveys with the Company’s medium and long-term operation and development plans, Jetion Solar has scientifically formulated its 2030 sustainable development goals. It is required that by 2030, the proportion of recycled water will be increased by 20% compared with the current level, 100% of A-level suppliers in the supply chain will pass the sustainable supply chain audit, and the annual completion rate of anti-corruption training will reach 100%. These goals not only focus on economic performance, but also emphasize the balanced development of environmental friendliness and social responsibility. In the future, we will adopt diversified strategies and effective measures to continuously promote and implement these goals, commit to achieving comprehensive sustainable development of the Company, actively pursue a leading position in corporate social responsibility and sustainable development, and firmly implement the core values of “efficiency, integrity, harmony and innovation” in the new development concept. We will steadily implement the sustainable development strategy with the vision of “Reshape a green and beautiful world with unlimited solar energy”.

Meanwhile, the Company continues to strengthen communication with stakeholders and integrates the concept of sustainable development into its operation and management, taking solid ESG management as the method and path to achieve sustainable development goals.

The Company strictly abides by relevant laws and regulations such as the *Company Law of the People’s Republic of China* and the *Securities Law of the People’s Republic of China*, and has formulated a series of corporate governance-related systems including the *Articles of Association, Rules of Procedure for the Board of Directors*, and rules of procedure for various specialized committees, so as to consolidate the foundation of corporate governance.

To better meet the sustainable development needs of Jetion Solar and strengthen its ESG governance capabilities, the Company has established an ESG Committee and appointed Wang Hailin as the leader of the ESG Leading Group. This group effectively supervises the Company’s sustainable development topics and goals, clarifies the management responsibilities for various important topics, and promotes inter-departmental cooperation through cross-departmental collaboration and communication, so as to drive the implementation of ESG and sustainable development concept.

Organizational Structure of the ESG Committee



As the highest decision-making body, the ESG Leading Group is responsible for supervising, reviewing, making decisions and approving all major sustainable development/ESG matters, including setting strategies and goals, assessing and responding to risks, supervising material topics, monitoring objectives achievements and risk management and control, establishing management and risk monitoring systems, and approving the annual ESG report.

Each committee is responsible for coordinating and managing the Company's sustainable development work and reporting to the Leading Group. Their responsibilities include planning and adjusting strategies and goals, identifying and assessing risks, formulating mitigation measures, ensuring the implementation of the management system, revising work handbooks, communicating with stakeholders, identifying major topics, preparing and issuing ESG reports, and regularly reporting on the achievement of objectives and the status of risk management and control.

Responsible for work in fields such as climate change and environmental protection, compliance and ethics, sustainable supply chains, employee rights and benefits and community engagement, and technological innovation. Specifically implement the decisions of the ESG Committee, regularly report on work progress and risk management and control situations, and regularly report to the ESG Group on the overall situation of specialized topics..

Practice of Sustainable Development Goals

In September 2015, leaders of various countries adopted 17 Sustainable Development Goals (SDGs) at the United Nations Summit on Sustainable Development. Compared with the United Nations Millennium Development Goals (MDGs), the SDGs cover various aspects such as economic growth, social inclusion, and environmental protection. Meanwhile, they are applicable to all countries and call on governments, the private sector, social groups, and the public around the world to unite together, actively respond to each goal, and take diverse actions to achieve sustainable development.

For a long time, the Company has been committed to promoting the achievement of the Sustainable Development Goals (SDGs) through daily operation management and public welfare activities. To take a step further, Jetion Solar has decided to regard the SDGs as the guiding direction for future sustainable development and incorporate them into the corporate development strategy. It will focus on the development needs of its major global operational sites, prioritize the determination of the SDGs based on its core capabilities, and utilize its corporate strength to solve related social issues. It will work hand in hand with all stakeholders to jointly create social and commercial value and achieve sustainable development goals.

Topic	Indicator Item	2025 Target	2030 Target	Progress
Climate and Energy Management	Science-Based Carbon Targets (Scope 1 and 2)	The unit carbon emission level will be reduced by 20% compared with 2020	The unit carbon emission level will be reduced by 20% compared with 2025	Proceeding in an orderly manner
	Energy Conservation	The proportion of green electricity used is not less than 10% of the total electricity consumption	The proportion of green electricity used is not less than 30% of the total electricity consumption	Proceeding in an orderly manner
Water Resource Management	Addressing Water Resource Challenges	Comply with the water use requirements of the 2024 version of the "Photovoltaic Manufacturing Industry Regulatory Conditions" issued by the Ministry of Industry and Information Technology	The amount of recycled water will be increased by 20% compared with 2025	Proceeding in an orderly manner
Product Quality and Safety	Ensuring Product Quality and Safety	Customer satisfaction rate is over 90%	Customer satisfaction rate will be increased by 5% compared with 2025	Proceeding in an orderly manner
Human Rights and Labor Rights	Adhering to 0 Human Rights Incidents	0 incidents of human rights violations involving child labor and forced labor	0 incidents of human rights violations involving child labor and forced labor	Proceeding in an orderly manner

Specific Actions for the Sustainable Development Goals of Jetion Solar

SDGs	Specific Actions
No Poverty	The Company has been committed to actively participating in various social welfare projects, including activities in environmental protection, education, health, etc. For example, donations to the "Shanjian Public Welfare" fund and donations to Nanjing University of Science and Technology, etc.
	Leveraging the characteristics of central SOE (state-owned enterprise), it fully mobilizes resources to support social welfare undertakings such as community construction, rural revitalization, and disaster relief. The Company continuously promotes photovoltaic construction plans in various regions, drives local economic development, contributes taxes to the local area, helps solve employment for local people, and brings land income to local residents.
	The Company truly cares about every employee and has carried out activities such as "Spring Festival Warmth Delivery" and "August 1st Consolations". Through forms like material assistance and labor union visits, it has solved the practical problems and difficulties faced by employees and provided attentive help to employees in need.
Good Health and Well-being	The Company established a comprehensive salary and welfare system, providing employees with good salary and welfare treatment, caring about employees' lives, continuously enhancing their sense of happiness and belonging, and whole-heartedly creating a warm working environment.
	The Party branch and the labor union has worked together to build corporate culture, and set up study room, reading corner, rest room and activity area, continuously optimizing the infrastructure, and creating a strong learning atmosphere.
	To further enhance the construction of the spiritual and cultural life of the employees, the labor union organizes all employees to participate in the Company's team-building activities, such as tug-of-war competitions, badminton competitions, etc., to enhance the internal cohesion of employees and show the good spiritual outlook of the enterprise.
	The labor union also sent warm birthday wishes and cakes on the occasion of the employees' birthdays come, which makes them feel extremely warm. In 2024, the Company held an employee birthday party every month, with an average of 89 participants per event.
	The Company provides annual physical examinations for all employees and regularly provides specialized physical for employees in special occupations. We have established employees' health records to continuously ensure their occupational health.
	In 2024, the Company carried out a total of 31 emergency drills, covering limited space, fire evacuation, food poisoning, and chemical leakage, involving more than 3,000 people.
Quality Education	The Company attaches importance to employee training and has established a complete training system and various training plans. It provides targeted training programs for talents at different stages, including pre-job training, on-the-job training, and waiting-for-post training, etc., to help employees continuously improve their own abilities and meet the development needs of the Company. The Company values talent cultivation and development. Through regulations and systems such as the *Training Management System*, it builds an all-round talent training system and deeply carries out school-enterprise cooperation to supply professional talents for the industry.
	At the beginning of each year, the Company formulates a safety training plan, which includes three-level safety education and training, thematic training, training for special-operation personnel, and safety qualification training for main responsible persons, etc., to improve employees' safety awareness and their ability to respond to emergency situations.

SDGs	Specific Actions
Gender Equality	The Company emphasizes gender equality and firmly eliminates discrimination against women in employment. It adheres to gender equality and equal pay for equal work, fully safeguards the specialized rights and benefits of female employees, and creates an equal workplace environment. By the end of 2024, the Company had a total of 743 employees, including 287 females and 456 males. Female senior executives accounted for 40%.
Clean Water and Sanitation	Water resources are the lifeline of production-type enterprises. The Company earnestly strengthens water resources management, strictly abides by relevant laws and regulations such as the *Water Law of the People's Republic of China*, and continuously carries out a number of water-saving technical transformation projects. In daily operations, it eliminates water running, overflowing, dripping, and leaking, achieving the dual benefits of resource conservation and reduction of enterprise operation costs.
	Attach importance to water resources management, fully control the wastewater discharge generated during the production process, and discharge it only after reaching the standards. The Company continuously explores various measures for water resources treatment and recycling to improve the utilization rate of water resources.
Affordable and Clean Energy	The Company actively promotes the concept of clean production. By adopting advanced production technologies and equipment, it reduces energy consumption and waste emissions during the production process, improves resource utilization efficiency, and maximizes solid waste reduction and energy utilization. Jetion Solar (Tongcheng) Company has obtained energy management system certification.
	Through technological innovation, it improves product efficiency, enhances the accessibility of clean energy, and facilitates the transition to clean energy. Meanwhile, the Company carries out projects such as the "grid parity" for photovoltaics, making contributions to ensuring fairness and justice in the global energy transition.
Decent Work and Economic Growth	The Company provides employees with a comprehensive growth system that meets job requirements and career goal planning. It has established a "dual-channel" career development system for management and technology, and set up job levels and promotion paths for each channel. Mechanically, it ensures that employees have multiple channels for development within the Company, striving to make the best use of their talents.
	It offers employees a competitive salary and welfare system, providing equal, safe and decent work, and creating clear, transparent and diversified career development channels to enhance employees sense of belonging. Meanwhile, the Company creates employment opportunities and promotes industry development by building a sustainable supply chain.

SDGs	Specific Actions
Industrial and Innovative Infrastructure	The Company's technology R&D team has been deeply engaged in solar cells for many years. It has always adhered to a high-level R&D investment. By building a strong R&D team and continuously upgrading laboratory facilities, Jetion Solar has been constantly investing in photovoltaic technology innovation and has achieved great breakthroughs in exploring cell passivation technology, carrier selective transport, metal-semiconductor contact and other aspects. In 2024, the Company's R&D investment was 226,686,962 yuan, accounting for 5.77% of the operating income.
	Focusing on scientific and technological innovation, it continuously launches safe and reliable products and efficient solutions, enhances the adaptability of products in extreme situations, and promotes the innovative upgrading of its industry. Meanwhile, the Company effectively safeguards innovation achievements through a sound information security management system.
	Jetion Solar attaches great importance to R&D cooperation with third parties and actively promotes the R&D model that integrates "industry, academia, and research" to facilitate the transformation and application of R&D achievements. The Company has reached an agreement with the University of Science and Technology of China to jointly research the project *Development and Industrialization of High-efficiency Heterojunction Solar Cell Technology*. The project results have passed the final acceptance of the industrial independent innovation tackling plan project, effectively helping the construction of professional and technical talent teams and promoting the innovative upgrading of Jetion Solar.
Reduced Inequalities	To better protect the legitimate rights and benefits of female employees, the Company has formulated the *Management Measures for the Protection of Female Employees*. According to the physiological characteristics of female employees, special protection different from that for men is adopted for their safety and health in labor or work, including prohibiting or restricting female employees from engaging in certain operations, and providing special protection for female employees during the "four periods" (menstrual period, pregnancy, maternity leave, and lactation period).
	Adhere to the principles of fair and justice employment, and the talent concept of diversified and inclusive development. Oppose all forms of workplace discrimination, and provide an equal and diverse workplace environment for employees of different genders, ages, ethnic groups, regions, and religious backgrounds, respecting and safeguarding human rights.
Sustainable Cities and Communities	Actively participate in the recycling of packaging materials, including outer cartons of cells, turnover packaging materials for cells, glass-iron pallets, etc. The Company has established and implemented an integrated packaging material recycling process covering production, warehouse, material control, and procurement, reducing environmental pollution from waste, lowering energy consumption, and reducing the consumption of natural resources, as well as cutting carbon dioxide emissions. In 2024, the recycling rate of cell packaging materials reached 85.6%.
	Promote the whole-life-cycle management of products, build green factories, and drive the dismantling and recycling of waste photovoltaic modules, so as to promote the establishment and improvement of the system in the field of photovoltaic recycling and utilization. Meanwhile, the Company continuously strengthens supply chain responsibility management, advocating the concepts of low-carbon and responsible production and consumption.

SDGs	Specific Actions
Responsible Consumption and Production	The Company continuously strengthens communication with stakeholders and integrates the concept of sustainable development into the Company's operation and management, taking solid ESG management as the method and path to achieve sustainable development goals.
	The Company strictly implements the management of compliant discharge of wastewater and waste gas. For companies involved in the discharge of wastewater and waste gas, relevant equipment are equipped, and regular daily maintenance of environmental protection facilities is carried out to ensure the normal operation of the equipment and facilities.
Climate Action	To address climate change, the Company identifies climate risks and opportunities and implements corresponding measures. The Company also takes measures such as green production, green logistics and packaging, promotion of green factories, green product technologies, and green office to enhance the green development in multiple dimensions.
Peace, Justice and Strong Institutions	To effectively advance the work of anti-corruption and anti-bribery in business activities and strengthen the Company's internal management mechanism to be honest and trustworthy, the Company strictly complies with laws and regulations such as the *Company Law of the People's Republic of China*, the *Supervision Law of the People's Republic of China*, and the *Anti-Unfair Competition Law of the People's Republic of China*. It formulates *Anti-Corruption Rules, Anti-Money Laundering Norms,* etc., and takes anti-corruption construction as the core of fulfilling the Company's moral responsibility, actively promoting institutional anti-corruption.
	Prohibit the employment of child labor and forced labor, establish a raw material traceability mechanism, and carry out management of key mineral resources and supply chain labor. Meanwhile, the Company continuously strengthens the management of business ethics for employees and suppliers, establishes an integrity platform, adheres to compliant and legal operations, and eliminates embezzlement and corruption phenomena.
	The Company actively organizes employees to participate in anti-corruption training to emphasize the importance of clean practice. It ensures that all employees understand and abide by anti-corruption regulations and the Company's ethical norms, and conveys the importance of anti-corruption to internal and external stakeholders. It strengthens management requirements for internal employees and external suppliers, and continuously optimizes the construction of the anti-corruption system.
Partnerships for the Goals	The Company issues the *Supplier Code of Conduct* and presents its business cooperation standards to all partners, clarifying behavioral code requirements and providing daily management references. When signing contracts with suppliers, suppliers must promise and ensure that neither the suppliers nor the personnel they employ are involved in any matters that violate international and domestic human rights standards such as child labor or forced labor during the manufacturing, operation, and delivery processes.
	Carry out in-depth cooperation with partners, achieve win-win results and contribute to the realization of sustainable development goals.

Stakeholders Identification

Jetion Solar is well aware that the Company's sustainable development cannot be achieved without the input and participation of stakeholders. It has always paid attention to and listened to the demands and expectations of stakeholders. Communication channels are established through various forms to regularly understand the opinions and suggestions of internal stakeholders such as company employees and management personnel; at the same time, it also closely pays attention to the expectations and responses of external stakeholders (such as the government, regulatory agencies, shareholders, investors, customers, suppliers, partners, media, communities, non-governmental organizations, etc.), regularly summarizes and feeds back to the Company's management, and conducts targeted communication.

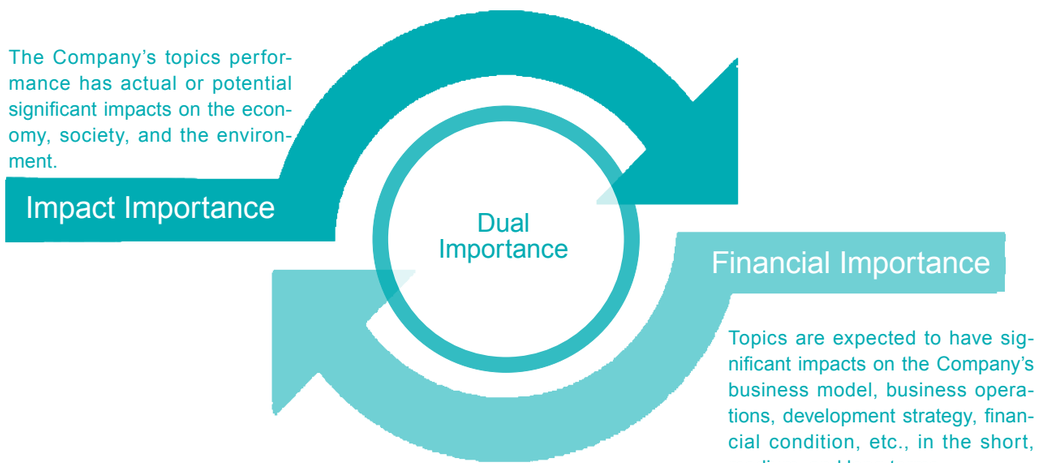
Stakeholders	Priority Topics	Communication and Response
Government and Regulatory Agencies	Regulatory requirements and trends Photovoltaic industry development Compliant operations Taxation Employment Personal safety, data security	Fulfill all obligations in accordance with laws and regulations Regularly report the operating conditions Empower social and corporate energy transition Promote the coordinated development of the industry's upstream and downstream Establish an internal control mechanism for compliant operations Pay taxes in accordance with the law
Shareholders/Investors	Industry trends and policies Corporate governance Technological innovation Legal compliance International trade patterns	General Meeting of Shareholders Performance briefings Official website Investor research activities Company announcements
Customers	Product quality Customer service Product safety and health Product energy and carbon data	Customer satisfaction surveys Customer complaint handling Customer research Technical seminars
Suppliers and Partners	Green supply chain Win-win cooperation Clean business environment Compliance with contracts	Supplier training Supplier website platform Supplier conferences Supplier code of conduct Investigation and audit
Employees	Rights and benefits s protection Occupational health and safety Career development Corporate governance Inclusiveness	Employee communication meetings Employee satisfaction surveys Public collection of employee opinions and feedback Employee training activities Distribution of employee benefits

Stakeholders	Priority Topics	Communication and Response
Society and Non-governmental Organizations	Environmental protection Rights and benefits protection Safety Promotion of sustainable development	Proactively communicate with the community and participate in project cooperation Charitable donations, public welfare activities Questionnaires Community service activities
Interested Organizations	Disclosure of social responsibility information Sustainable development strategy Diversity and inclusiveness Public welfare	Online seminars Briefings Interviews Performance press conferences

Material Topic Analysis

To fully understand the attention of stakeholders pay to the Company's CSR (Corporate Social Responsibility) topics and to respond to each topic in a targeted manner in this report, the Company, in accordance with the Sustainability Reporting Standards (GRI Standards 2021) issued by the Global Sustainability Standards Board (GSSB), identifies and ranks the Company's stakeholders and the material social responsibility topics of this year.

The Company conducts material topics research by analyzing international and domestic social responsibility standards, the policy requirements of national and local governments, benchmarking against advanced enterprises in the industry for social responsibility, and combining with the Company's development strategy and planning, to understand the key focuses and levels of attention of internal and external stakeholders regarding the Company's sustainable development. In the research of 2024, we have strengthened the perspective of sustainable development, fully integrated the era background of sustainable development, and focused on two dimensions: "financial importance: and "impact importance". We also solicited experts' opinions during the analysis process, benchmarked against industry practices and rating indicators, etc., to comprehensively and objectively showcase sustainable development practices of Jetion Solar. Then, we rank the selected material topics by importance to form a materiality matrix.



Important Topic Management Methods

Identification of Material Topics

We considered several major factors, including ESG standards, rating requirements of international rating agencies, international initiatives, global macro-economic policies, predicted market trends, and the Company's development needs. With reference to the guidelines of authoritative international reports issued by institutions such as the Global Reporting Initiative (GRI) and the International Sustainability Standards Board (ISSB), and combined with the latest domestic and foreign policies and industry standards, we sorted out and identified material topics related to sustainable development to form a topic pool.

Topic Pool

Topic Category	Topic Name	Change
Environmental	•Climate and Energy •Circular Economy •Use of Renewable Energy •Water Resource Management•Emissions Management •Biodiversity •Green Products and XPackaging	Added "Biodiversity"
Social	• Product Quality and Safety •Sustainable Supply Chain •Customer Relationship Management •Cooperation with Business Partners • Talent Attraction and Retention • Occupational Health and Safety •Human Rights and Labor Rights •Diversity, Equality and Inclusion •Talent Cultivation and Development •Conflict Minerals Management• Community Engagement and Contribution • Communication and Transparency	Added "Community Engagement and Contribution"
Governance	• ESG Governance • Business Ethics and Compliance •Risk Management •Data Security and Customer Privacy Protection •Innovation Development and Intellectual Property Protection •Enterprise Emergency Management for Sudden/Public Events •Investor Relations and Shareholder Rights	Added "Community Engagement and Contribution"

Stakeholder Communication

The Company communicates with important internal and external stakeholder groups through exhibitions, community communications, surveys, interviews, and other forms to fully understand their expectations and opinions regarding sustainable development-related work of Jetion Solar.

Assessmentand Analysis

Based on interview communications and combined with multiple factors such as the Company's development strategy, a quantitative analysis is conducted on the assessment results of impact importance and financial importance. The overall importance priority of each topic is presented in the matrix form. We have identified a total of 22 important topics, among which 5 topics are of relatively high importance, and the material topic matrix for this year is drawn below based on these information.

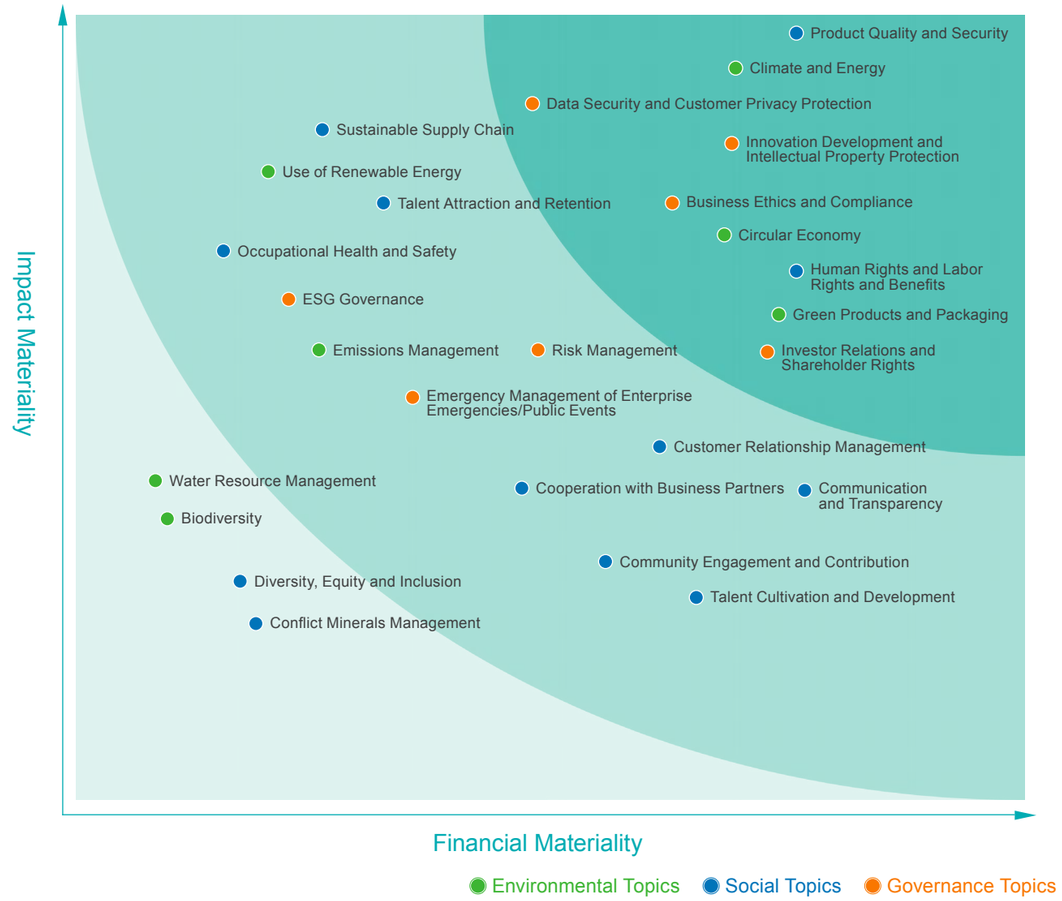
Impact Importance Analysis

General	•Business Partners Cooperation•Communication and Transparency•Community Engagement and Contribution•Diversity, Equity and Inclusion•Talent Cultivation and Development•Water Resource Management• Biodiversity•Conflict Minerals Management
Moderate	• Risk Management• ESG Management•Occupational Health and Safety• Investor Relations and Shareholder Rights• Customer Relationship Management•Emergency Management of Enterprise Emergencies/Public Events•Emissions Management
High	•Product Quality and Safety •Climate and Energy•Sustainable Supply Chain•Green Products and Packaging•Data Security and Customer Privacy Protection•Circular Economy•Use of Renewable Energy• Human Rights and Labor Rights and Benefits•Business Ethics and Compliance•Innovation Development and Intellectual Property Protection•Talent Attraction and Retention

Assessment of Financial Importance

Assess the financial importance of each topic from two dimensions: “Continuity of Resource Acquisition” and “Dependency on Relationships”.

Continuity of Resource Acquisition	Under the influence of various ESG material topics, whether the Company can continuously acquire relevant resources for related capital in the short, medium, and long term.
Dependency on Relationships	For each ESG material topic, if the Company fails to conduct good practices, whether it can continue to maintain benign relationships.



Disclosure and Practice

After the reviewed and approved list of confirmed material topics and the analysis results, the final 2024 Important Topic Matrix of Jetion Technology is formed. The ESG Committee reviews and confirms this year’s topic matrix. For relatively important topics topics, we comprehensively summarize their impact scopes, risks and opportunities, and the affected stakeholders, and focus on disclosing relevant management and actions in the report. At the action level, Jetion also strengthens the overall management of each topic. Relying on its own risk management and internal control system, it strictly controls relevant risks, and actively seizes relevant opportunities to achieve long-term development at the same time.

Important Topics	Scope: Upstream	Scope: Enterprise	Scope: Downstream	Scope: Community	Affected Stakeholders	Risks	Opportunities	GRI Standards	Correspon-ding SDGs	Action Chapters
Climate and Energy	☑	☑	☑	☑	•Employees • Customers or Consumers • Suppliers or Other Business Partners • Shareholders or Potential Investors • Communities and the Public	Natural disasters caused by climate change, unstable energy supply, policy updates, changes in market preferences, etc., bring physical risks and transition risks, which may increase cost expenditures, affect company profits, and cause losses to fixed assets	• Enhance the Company's resilience to environmental risks and reduce its carbon footprint • Innovate sustainable business development models, enhance corporate reputation and image, and improve market competition	•Energy •Emissions		Energy Conservation and Emission Reduction
Use of Renewable Energy	☑	☑	☐	☐	• Customers or Consumers • Suppliers or Other Business Partners	Purchasing renewable energy and building photovoltaic facilities may bring additional financial costs	• Reduce dependence on fossil energy and lower the risks brought by unstable energy supply • Enhance the Company's resilience to environmental risks and reduce the Company's carbon footprint	• Waste		Pollution Prevention and Control
Emissions Management	☐	☑	☑	☑	• Customers or Consumers • Communities and the Public	Violating emissions management laws and regulations will bring compliance risks, resulting in financial losses such as fines, and affecting the Company's reputation and image	• Improve environmental management levels, reduce environmental impacts, meet relevant laws and regulations, and enhance the Company's reputation and image	• Waste		Pollution Prevention and Control
Product Quality and Safety	☑	☑	☑	☑	• Customers or Consumers • Suppliers or Other Business Partners	More sufficient product testing and inspection may bring additional financial and human costs	• Bring a better experience to customers, enhance the Company's reputation and image, and help explore potential markets	• Customer Health and Safety		Quality Cornerstone
Customer Relationship Management	☐	☐	☑	☐	• Customers or Consumers • Shareholders or Potential Investors	Deterioration of customer relationships may lead to customer churn, which in turn affects the Company's market performance	• Good customer relationships help promote business growth, facilitate new business opportunities, and enhance the Company's market performance	Non-dual Materiality Topics		Customer Service
Human Rights and Labor Rights	☑	☑	☑	☐	• Employees • Customers or Consumers • Suppliers or Other Business Partners	Violating human rights and labor rights and benefits will bring compliance risks and affect the Company's reputation and image Lack of protection for employees' rights and benefits may bring the risk of employee turnover and reduce the Company's productivity	•Protecting human rights and labor rights and benefits helps improve employee satisfaction, maintain relationships with employees, and enhance the Company's productivity • Helping to reduce supply chain-related risks and shape a responsible corporate image	•Employment • Diversity and Equal Opportunities • Anti- discrimination • Freedom of Association and Collective Bargaining • Child Labor • Forced or Compulsory Labor		Protecting Employees' Rights and Interests

Important Topics	Scope				Affected Stakeholders	Risks	Opportunities	GRI Standards	Correspon-ding SDGs	Action Chapters
	Upstream	Enterprise	Down-stream	Commu-nity						
Talent Cultivation and Development	☐	☑	☐	☐	• Employees	Failure to effectively attract talents, talent turnover, and insufficient growth of talents' skills will all reduce the Company's productivity	• Introducing diversified talents and stabilizing the employee team is conducive to promoting the Company's stable development • The growth of employees' skills helps to better adapt to the rapidly changing business environment and enhance the Company's market competitiveness	Non-dual Materiality Topics		Helping Employees Grow
Occupational Health and Safety	☑	☑	☑	☐	• Employees • Customers or Consumers • Suppliers or Other Business Partners	Occupational health and security accidents will have a direct negative impact on employees, which in turn affects the good relationship between the Company and employees Violating relevant laws and regulations may bring financial losses such as fines and affect the Company's reputation and image Ensuring occupational health and safety may bring additional financial costs	• A healthy and safe environment helps improve employees' sense of happiness, belonging, and the Company's productivity	Non-dual Materiality Topics		Occupational Health and Safety
Business Ethics and Compliance	☑	☑	☑	☐	• Employees •Customers or Consumers • Suppliers or Other Business Partners • Shareholders or Potential Investors	Violating business ethics and compliance requirements may lead to legal issues, financial losses, and customer churn Non-compliance may result in fines, confiscation of illegal gains, revocation of licenses, and trigger class-action lawsuits Non-compliant enterprises may be included in the dishonesty list, making them unable to obtain bank loans or capital market financing May damage the corporate culture and lead to a decline in employee loyalty	•Maintaining a high level of business ethics and compliance can increase the trust of customers and investors, enhance reputation, and reduce legal and financial risks •Enterprises with ethical compliance are more likely to gain consumers' "emotional recognition" and form differentiated competition •Meet the compliance requirements of target markets •Attract high-quality partners	•Anti-corruption		Compliant Operations

02

Jetion Leads the Way
Spreads Like a Prairie Fire

Driven by the global "dual-carbon" strategy and the transformation of the energy structure, the photovoltaic technology is accelerating rapidly. Industry competition focuses on high efficiency, low cost, and sustainability. The continuous innovation of products and technologies is the core driving force for the high-quality development of the Company. Jetion Solar actively builds a collaborative innovation mechanism with internal and external parties, takes market demand as the guide, promotes the iterative update of technology, consolidates the R&D system, and continuously promotes the development of the green energy industry and the innovation of intelligent manufacturing. While focusing on innovation, we adhere to high-quality management, actively participate in industry exchanges and cooperation, share advanced experience, and jointly explore solutions to the commonalities of sustainability and customer requirements. We continuously improve the quality and customer service system, provide high-quality products and services to customers, and continuously enhance customer satisfaction.

2024 Key Performance

There were 8 invention patents in 2024

accounting for 38.09% of the total in this year

The cumulative number of patents obtained reached 283

an increase of 7% compared with 2023

Holds the certification of the CNAS National Accreditation Committee and the qualification of the TÜV SÜD witnessed laboratory

Participated in the formulation of 4 *industry standards such as Recovery and Treatment Method of Crystalline Silicon Photovoltaic Modules-Physical Method*

The recycling rate of cell product packaging materials has increased to 85.6 %

Responded to the United Nations Sustainable Development Goals

Actions

- Innovative Technology
- Quality Cornerstone
- Quality Service
- Sustainable Supply Chain

Innovative Technology

The Company adheres to the concept of innovation-driven development, integrating innovation throughout the entire product R&D process. With the goal of injecting unlimited vitality into global renewable energy, it provides customers with more efficient and reliable new energy solutions.

Innovation has always been the core driving force for Jetion Solar to lead industry transformation. Upholding the philosophy of "technology empowering a green future", the Company deeply integrates the innovation gene into the entire industry chain from basic research to industrial application. With the goal of achieving cost reduction and efficiency improvement throughout the life cycle through technological breakthroughs, it continuously provides high-value solutions for global zero-carbon transformation.

Under the strategic guidance of "establishing the enterprise through technology and strengthening it through innovation, the Company's R&D investment intensity has stably remained above 5% of revenue in the past three years. In 2024, the R&D fund reached 226,686,962 yuan (accounting for 5.77% of revenue), building a three-dimensional R&D system covering materials science, process engineering and system integration.

Case Jetion Solar Green Building Material Certification, Facilitating Sustainable Development!

On September 5, 2024, the heterojunction double-glass photovoltaic module products of Jetion Solar successfully passed the professional review by China Testing&Certification International Group Co., Ltd. (referred to as "CTC Group") and were awarded the China Green Building Material Product Certification Certificate. At the certificate-awarding ceremony held at the Jetion Solar Heterojunction Factory (Jiangyin), Dr. Guo Wanwu, the Deputy General Manager, formally received this important certificate, which is another milestone for the Company in the field of green building materials.

The China Green Building Material Product Certification is a national-level certification project that promotes the development of the building materials industry in a more environmentally friendly and sustainable direction. This certification requires that building materials can significantly reduce the consumption of natural resources throughout their life cycle and minimize the impact on the environment during the entire production and use process. In addition, the certified products also need to have characteristics such as energy conservation, emission reduction, high safety, ease of construction, and recyclability.

Based on the concept of "full life cycle", for photovoltaic products to become "green building materials", they need to meet the requirements in multiple aspects such as building safety standards, building impact assessment (such as the impact of products on the waterproof, thermal insulation, EMC and other performances of buildings), raw material utilization rate, factory-boundary noise, environmental pollution, work safety, production energy consumption, waste disposal, treatment of toxic and harmful substances, greenhouse gas emissions, carbon footprint verification, environmental product declaration (EPD), product power generation efficiency and attenuation rate, and product service life.

The technical team has been deeply engaged in the photovoltaic field for 20 years. Relying on national CNAS accredited laboratories, provincial engineering technology research centers and other R&D platforms, it has achieved breakthrough progress in the research on the underlying mechanism of high-efficiency cell technology: basic research and industrial application of crystalline silicon/amorphous silicon cells, optimization of microcrystalline processes, improvement of high-mobility target material performance, enhancement of metallization processes, development of high-performance silicon-based thin film processes and low-indium transparent conductive films, etc., promoting the reduction of the industry's electricity cost.

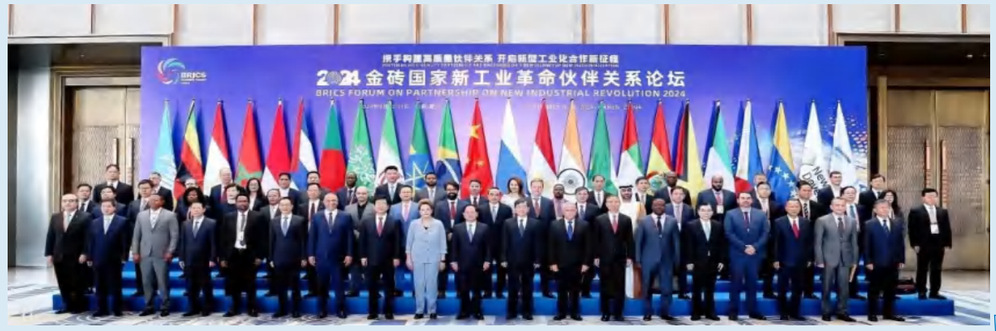
The Company has simultaneously built a multi-dimensional talent engine through university-enterprise cooperation, forming a cutting-edge scientific research team of more than 140 people. It has accumulated 283 patents, with a 7% year-on-year increase in 2024 compared to 2023, including 8 invention patents, a 3% year-on-year increase. Among them, achievements such as micro-crystalline technology and N-type silicon wafer thinning and cutting technology have been selected into national projects. Through the independent intellectual property matrix, it is accelerating the evolution of photovoltaic technology towards higher efficiency and lower carbon footprint, injecting strong momentum into the global renewable energy revolution.

Our Company's future technology plan will mainly focus on cost reduction and efficiency improvement of heterojunction cells and technology development of next-generation new cells. We aim to accelerate the average mass production efficiency of HJT cells to exceed 26.5% and increase module delivery power to 760W. We will vigorously develop new HJT cell processes, BC cells, perovskite tandem cells, new packaging processes for heterojunction double-glass modules, and single-sided power generation modules.

Case BRICS Innovation Contest!

In September 2024, the "2024 BRICS Industrial Innovation Contest", jointly organized by the International Economic and Technological Cooperation Center of the Ministry of Industry and Information Technology, the Innovation Base for the New Industrial Revolution Partnership of BRICS Countries, etc., successfully concluded in Xiamen. Numerous outstanding domestic and foreign enterprises, universities, research institutions, and young scientific and technological workers showcased their talents in this competition of science, technology, and wisdom. Jetion Solar Technology Co., Ltd. won the Excellent Project Award with its outstanding performance in the "Energy Electronics—Photovoltaics and New Energy Storage" track through the project "Development and Industrial Application of Low-Cost Thin Heterojunction Cell Technology", shining brightly on the international stage of industrial innovation.

The award-winning project focuses on the field of heterojunction cells, achieving major breakthroughs and demonstrating excellent application value in a number of key technologies. In terms of ultra-thin silicon wafer application technology, Jetion Solar took the lead in the industry to realize the mass-production introduction of 110μm silicon wafers. Compared with traditional 130μm silicon wafers, the cost is reduced by about 4%. After a series of optimization measures, the efficiency and electrical performance parameters are ensured to be the same and the reliability meets the standards. Now, it has the advanced technical capabilities of self-processing 80μm silicon wafers and manufacturing ultra-thin cells. While maintaining stable electrical performance, the anti-micro-cracking ability is significantly enhanced, the silver paste consumption is saved by 45%, and the annual cost reduction is expected to be 30 million yuan. With outstanding innovation and significant economic benefits, these technologies have achieved a step-by-step breakthrough in cost control and performance guarantee, greatly enhancing the core value and industry competitiveness of the project, and injecting strong momentum into the technological progress and industrial development in the photovoltaic field.



Science and Technology Project Management

Technology Risk Management

There are numerous technical routes for photovoltaic cells. Choosing the appropriate technology can reasonably avoid technical risks. Therefore, risk assessment, technical research, and other work should be carried out before the project starts, and a mature project risk assessment system should be established.

Intellectual Property Layout

Layout of intellectual property in advance is a necessity for enterprises to survive in the industry. Especially as competition in the photovoltaic industry becomes increasingly fierce, more intellectual property rights are needed as a moat. In the progress of science and technology projects, clarify intellectual property goals and tasks, standardize the intellectual property management process in the R&D process, and ensure that R&D results are protected in time. At the same time, regularly organize intellectual property training to improve technical personnel's awareness of intellectual property and innovation capabilities.

Industry-University-Research Cooperation

Universities and research institutions have rich scientific research achievements, but often lack channels and resources to transform these achievements into actual products. Enterprises, on the other hand, have market sensitivity and production capacity, but may lack core technologies. Industry-university-research cooperation can combine scientific research achievements with enterprise production practices, accelerating the transformation of scientific and technological achievements into real productivity.

Jetion Solar attaches great importance to R&D cooperation with third parties and actively promotes the R&D model integrating "industry, university, and research" to facilitate the transformation and application of R&D results. Our company has not only signed a university-enterprise cooperation agreement with the University of Chinese Academy of Sciences, but also maintained long-term strategic cooperative relations with research institutions such as the Shanghai Institute of Micro-system and Information Technology of the Chinese Academy of Sciences to jointly complete the transformation of scientific and technological achievements. A university-enterprise cooperation platform has been established with the University of Chinese Academy of Sciences to jointly develop basic research and industrial application of crystalline silicon/amorphous silicon cells, develop high-performance silicon-based thin film processes and low-indium transparent conductive films, effectively reducing the cost of industrialized heterojunction cells, and participating in national projects as a consortium member.

Undertaking National Major Scientific Research Projects

Project Name	Research and Industrialization of High-Efficiency Heterojunction Solar Cell Technology
Undertaking Unit	Jetion Solar (China) Co., Ltd.
Project Funding Category	High-Performance Silicon-Based Thin Film Process
Funding	80 million yuan

Case Key Projects

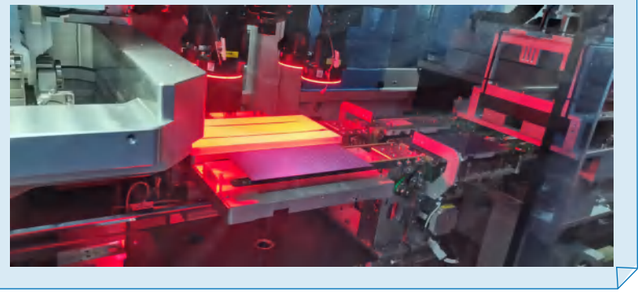
Backed by national high-quality development projects, Jetion Technology has made full efforts to establish an industry-university-research-application consortium. By integrating advantageous resources from universities, leading equipment and material manufacturing companies, the Company has focused on heterojunction solar cell technology and its industrialization as core goals, striving to build a global competitive R&D layout and multi-level R&D system. It has established an independent R&D center in Jiangyin, formed a core R&D technical team, and continuously carried out technical R&D and process improvement of photovoltaic products in key links such as cells, modules and systems.

As the R&D platform is gradually established, the Company has successfully undertaken the implementation of a high-efficiency heterojunction cell industrialization project commissioned by a national ministry. It realized the grid connection of a 1.5MW heterojunction power station on the photovoltaic roof just in three months. At each key node of the project advancement, the Company invited authoritative experts in the industry to conduct on-site demonstration and guidance. Finally, under the strict inspection of the expert team, the project successfully passed the acceptance with a high score. Eventually, the Company achieved the achievement transformation of 2.4GW heterojunction cells, with a shipment volume of over 800MW and a mass-production conversion efficiency as high as 26.2%, setting a benchmark for heterojunction industrialization projects.

Currently, the development of XBC cells have determined the structure and procedures of BC cells. In terms of perovskite tandem cell R&D, the Company has prepared single-junction perovskite solar cells with high-efficiency photoelectric conversion efficiency using the method of vacuum evaporation, spin coating and annealing, and has initially confirmed the material system and film structure of perovskite tandem cells. Meanwhile, the Company also continues to make efforts in the advanced management and maintenance of HJT photoelectric testing, constantly improving its technical level and management capabilities.

- The project achievements have resulted in **3** national patents and **2** group standards.
- Jetion Solar has accumulated **150** person-times of training for professional and technical personnel through this project.
- It has driven the technological upgrade of **8** cooperative enterprises in the industrial chain.
- It will continue to deepen the technological iteration of heterojunction cells in terms of thinning and silver-free technology in the future.
- It aims to increase the mass-production efficiency to **27**% within three years and boost the photovoltaic industry to develop in the direction of "lower cost, higher efficiency, and better carbon footprint".



Case

The Light of Xiake Project

To further advance the core strategy of innovation-driven development and the leading strategy of strengthening the city through industries, and to enhance self-reliance and self-improvement in science and technology, the Company has thoroughly implemented Jiangyin's "The Light of Xiake" Innovation and Research Initiative. Focusing on key core technologies, "bottleneck" technologies and import-substitution technologies, accelerating the resolution of a number of technical challenges, providing strong scientific and technological support for "higher-end industries and more dynamic innovation".

Jiangyin's "The Light of Xiake" Industrial Independent Innovation and Research Initiative adheres to the principle of market leadership and government guidance and is implemented in accordance with the process of "list establishment, list release, list acceptance, and list reward". It aims to tackle key core technologies and "bottleneck" technical challenges that restrict industrial development. Meanwhile, based on the technological R&D needs proposed by various innovation entities across the city each year, the *Technical Demand List of Jiangyin's "The Light of Xiake" Industrial Independent Innovation and Research Initiative* is compiled and sorted out.

Jetion Technology has undertaken the R&D and Industrialization of High-Efficiency Heterojunction Solar Cell Technology under Jiangyin's Science and Technology Program. The heterojunction solar cells developed by the Company boast excellent low-light performance, low light-induced degradation, and significant advantages in power generation. Additionally, they feature a simplified production process, giving them distinct advantages in mass production.

The project improves product competitiveness by optimizing technologies in multiple dimensions: Optimizing the physical and chemical properties of amorphous silicon functional layer films to form high-quality functional layer films with low recombination; optimizing the interface state density of each amorphous silicon film to prepare conductive films with high transmittance and high mobility; developing low-cost and cost-effective metallized electrode processes to form metal electrode grids with low consumption and narrow line width; and developing gettering and annealing processes to enhance the performance of heterojunction solar cells.

- After the project was completed, it formed an annual production capacity of 1GW of high-efficiency heterojunction solar cell wafers.
- Cumulatively, it achieved an sales revenue of **1.2** billion yuan, tax payments of **15** million yuan, and a net profit of **40** million yuan.
- Simultaneously, it resulted in **1** new product and **2** sets of new processes; **13** patents was applied for (including **6** invention patents and **7** utility model patents).
- In addition, it also solved the employment problem for **300** people.

Science and Technology Talent Policy

Talents play an extremely important role in promoting scientific and technological innovation, economic development, and social progress. They are one of the most important strategic resources for countries and enterprises. Especially in enterprises, scientific and technological talents take on the important responsibility of enhancing market competitiveness and helping enterprises stand out in fierce market competition. Therefore, talent cultivation work is of top priority.

In the cultivation of scientific and technological talents, our Company has mainly done the following work:

University-enterprise cooperation and regular training

The knowledge systems of universities and research institutes are at the forefront of the times and guide the direction of enterprise technology development. Therefore, talent cultivation work should also cooperate with universities and research institutes to make up for the shortcomings of advanced industry knowledge and update the knowledge bases of individual talents in time.

Encourage participation in scientific and technological projects

The transformation of theoretical knowledge into actual achievements requires scientific and technological projects as a bridge. Cultivating their scientific research capabilities and innovative thinking through actual scientific and technological projects can help related talents grow rapidly.

Establish a sound performance incentive mechanism

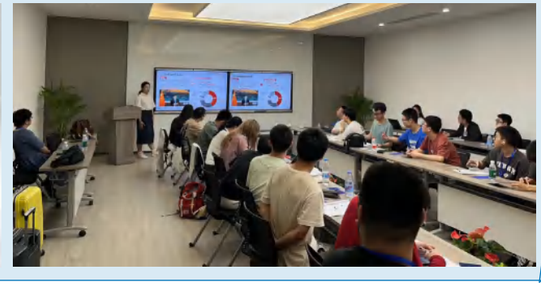
Ensure that the performance appraisal mechanism is fair and transparent. At the same time, develop differentiated indicators according to the project modules that personnel are responsible for; cooperate with various honorary titles to give positive incentives to personnel.

Case

Jetion Solar and Nanjing University of Science and Technology Join Hands to Create a New Chapter of University-Enterprise Collaborative Education

On July 5, 2024, Jetion Solar (China) Co., Ltd. and Nanjing University of Science and Technology, a well-known domestic institution of higher learning, formally signed the University-Enterprise Collaborative Education Cooperation Agreement at the CNBM (Jiangyin) Optoelectronic Heterojunction Factory, jointly opening a new mode of university-enterprise cooperation. This cooperation is not only aimed at building a talent cultivation platform that combines theory and practice, but also injects new vitality into China's sustainable development cause.

In the economic environment where the global photovoltaic market competition is increasingly fierce and new technologies are changing rapidly, innovation and talents have become the dual engines driving social progress. Facing the ever-changing technological changes, Jetion Solar deeply realizes that cultivating high-quality talents with both innovative awareness and practical ability is the key to the continuous development of the enterprise and maintaining its competitive advantage.



Case Education through Action, Unity and Co-construction- Jetion Solar and University Forge a bond

On August 6, 2024, a team of teachers and students from the School of Materials Science and Optoelectronic Technology of the University of Chinese Academy of Sciences visited CNBM (Jiangyin) Photoelectronic Material Materials Technology Co., Ltd., an enterprise focusing on the R&D and production of heterojunction products, and started a fruitful industry-university-research exchange journey. The Jetion Solar team received them warmly and accompanied them throughout the visit, fully demonstrating the high attention and emphasis both sides placed on this cooperation and exchange.

Jetion Solar first gave a comprehensive introduction to the background of the photovoltaic industry, emphasizing that the dual-carbon goals are leading a profound transformation of the energy structure as a national strategy, and the photovoltaic industry has thus ushered in unprecedented development opportunities. It shared in detail the research achievements and practical experience of Jetion Solar in the field of heterojunction technology, and also specially set an interactive session to encourage students to freely ask questions related to heterojunction technology. Facing the curiosity and enthusiasm of the students, the R&D team patiently and meticulously answered every question, explained the principles, advantages and challenges of heterojunction technology in a simple and understandable way, and won universal praise from the teachers and students present.

Relying on the outstanding scientific research heritage and talent resources of the Chinese Academy of Sciences, it can not only stimulate the potential of product technology innovation and accelerate the launch of high-value-added new products to the market, but also significantly enhance the Company employees' understanding and thinking of theories and achieve improvement in basic research. It has realized the deep integration of the education chain, talent chain with the industrial chain and innovation chain, and jointly promoted the photovoltaic industry to move towards a higher level.

R&D Management

Efficient R&D team management can shorten the cycle of transforming laboratory technologies into marketable products, improve the response speed to the external market, and ensure that our Company can forge ahead in the wave of updates and iterations in the photovoltaic industry. At the same time, clarifying the direction of technological upgrading can avoid resource waste of our Company, stimulate the creativity and sustainability of the team, and conform to the production concept of cost reduction and efficiency improvement.

Correct and reasonable goal orientation

The sense of direction of the R&D team determines its efficiency, especially in the photovoltaic industry where technological iteration is extremely fast and market demand is constantly changing. If the R&D team does not have clear goals, it is easy to fall into the dilemma of "working in isolation" or "chasing the market". Therefore, the key to goal-setting is that it should not only conform to industry trends but also be practical and executable.

Harmonious team atmosphere

Mutual cooperation among team members, including cooperation with other departments is essential in team work. A harmonious team atmosphere can ensure the smooth progress of various R&D projects. Therefore, to encourage team members actively express their ideas, opinions, and needs in team management is necessary. This can be achieved through regular team meetings, one-on-one communications, anonymous suggestion boxes, and other methods to ensure that everyone has the opportunity to give their voices.

Dynamic adjustment and training of personnel

The rapid technological iteration in the photovoltaic industry places high demands on the learning ability of team members. To ensure that the knowledge reserve of the R&D team keeps up with the market, our Company regularly helps team members understand and master the latest industry trends and technologies through internal training and external exchanges. Meanwhile, the team structure is dynamically adjusted according to project needs to ensure that each member can play their role in the most suitable position.

Quality Cornerstone

Providing customers with high-quality products and services is our unremitting pursuit. We adhere to strict quality management throughout the entire product life cycle, anchor the corporate mission of “empowering the society with sustainable green energy, creating a better world with a better environment”, and uphold the craftsmanship spirit of striving for excellence, making product quality our best service.

Quality First

Quality compliance is a strategic pivot for Jetion Solar to build global industrial discourse right. The Company strictly abides by the laws and regulations of the countries and regions involved in the entire product life cycle, and has formulated a number of product quality-related management systems such as the *Quality System Manual, Process and Product Monitoring and Measurement Control Procedures, Identification and Traceability Control Procedures, Non-conforming Product Control Procedures,* and *Non-conformity and Corrective Action Control Procedures to standardize management processes*. Adhering to the principle of quality first, we have established a full-process quality management system, organizational guarantee, and digital platform support covering design and development, procurement and incoming materials, production and delivery, and after-sales service. In terms of the organizational system, Jetion Solar has long insisted on implementing and inspecting standards in practice, always paying attention to the improvement and innovation of standards and management processes. It has established an organizational guarantee for the quality management system led by the person in charge of each manufacturing base and coordinated by various functional departments. The management regularly holds meetings to coordinate quality management work, especially establishing QCC (Quality Control Circle) to regularly carry out product quality improvement projects, timely respond to product quality requirements put forward by internal and external stakeholders, and formulate targeted solutions.

Strict quality standards and requirements are extended to value chain partners. We have formulated *the Supplier Selection and Evaluation Control Procedures* for suppliers, and strictly control product quality management in the entire supply chain, including raw material incoming and supply chain audits. We also convey product quality-related specifications and requirements to dealer partners through annual audits and daily communications.

To implement standardized product quality control procedures, the Company has continuously iterated its quality management system since first obtaining ISO 9001 certification in 2006: in 2019, it took the lead in passing IEC 62941: 2019, the highest quality certification in the photovoltaic industry, setting a new record for component factory certification. The Company has created the “12306 Quality Management Model”, built a quality center covering 3 manufacturing bases, deployed multiple sets of process monitoring systems to real-time monitor hundreds of process parameters, and established a defect database to analyze the failure modes of hundreds of millions of cells, realizing continuous tracking of product yield. It has built 12 normalized mechanisms such as daily quality morning meetings, monthly competition evaluations, quarterly experience summaries, and annual Quality Month QCC competitions. In 2024, the customer-side quality complaint rate dropped to 8ppm. With the outstanding performance of being a “Quality Benchmark Enterprise” certified by the Ministry of Industry and Information Technology, it has redefined the quality benchmark in the photovoltaic manufacturing industry.

Leading Photovoltaic Laboratory and High-Standard Testing Qualifications

The highland of photovoltaic testing technology built by Jetion Solar is the core engine driving the quality revolution in the industry. The Company has established a laboratory cluster covering multiple capabilities of cells and modules, equipped with 142 cutting-edge devices such as full-spectrum ellipsometers and Hall effect testers, forming a full-range testing capability from the atomic scale to power station-level scenarios. On the cell R&D side, through the collaborative application of photoluminescence, electroluminescence IV testing systems and minority carrier lifetime measuring instruments, the interface state density of heterojunction cells is controlled, promoting the mass production efficiency to exceed 26.5%. The module verification system has innovatively built an accelerated aging test in extreme environments with a cumulative test duration of over 50,000 hours, and the walk-in damp heat chamber has stabilized the PID attenuation rate within 1.5%. The laboratory holds the certification of CNAS National Accreditation Committee and the qualification of TÜV SÜD witnessed laboratory, and has participated in the compilation of 4 industry standards such as *Recovery and Treatment Method of Crystalline Silicon Photovoltaic Modules-Physical Method*. As the Jiangsu Provincial Engineering Technology Research Center for Solar Photovoltaic Power Generation, it has cumulatively output 217 key testing methods to the Company and various bases. With testing redundancy exceeding international standards such as UL 1703 and IEC 62941, it has reshaped the quality benchmark of photovoltaic products.

China CNAS Accredited Laboratory
Wuxi Key Laboratory of Photovoltaic Cell and Module Technology
TÜV SÜD CTF Customer Laboratory

Certificates

Testing Capabilities

Photovoltaic modules for ground use

Appearance inspection, maximum power determination, insulation test, performance under standard test conditions and nominal operating temperature, performance under low irradiance, ultraviolet pre-treatment test, thermal cycle test, wet-freeze test, damp-heat test, mechanical load test, hail test, bypass diode test, stability test, accessibility test, scratch resistance test, ground continuity test, dynamic mechanical load, PID test

EVA

Peel strength test, cross-linking degree test

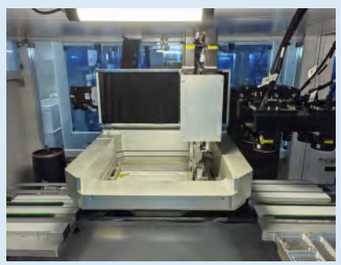
Case

Key Laboratories of Wuxi City

In 2024, in accordance with the *Notice on Organizing the Application Work for Key Laboratories of Wuxi City in 2024*, after going through procedures including independent application by entities, review and recommendation by competent authorities, expert evaluation, and public notice, the Wuxi Municipal Bureau of Science and Technology announced the list of Key Laboratories of Wuxi City to be constructed in 2024. Among them, the laboratory established by Jetion Solar (China) Co., Ltd. topped the list of Key Laboratories of Photovoltaic Cells and Module Technology of Wuxi City.

Relying on the Jetion Solar Cell Research Institute, the laboratory has introduced 1 doctor, 7 masters, and more than 50 senior engineers. Focusing on high-efficiency and low-cost crystalline silicon solar photovoltaic technology, it has successively developed a number of new technologies for crystalline silicon solar cells. The Cell Laboratory is equipped with a full set of testing equipment, including a four-point probe square resistance tester, 3D microscope, QE quantum efficiency tester, UV-Vis-NIR (Ultraviolet-Visible-Near Infrared) spectrophotometer, minority carrier lifetime tester, Hall effect tester, Solar/PL/EL/IV test and analysis system, and full-spectrum ellipsometer. It can effectively monitor key indicators of solar cells during the production process, such as film thickness uniformity, minority carrier lifetime, carrier mobility and concentration, and quantum efficiency. Additionally, the R&D Laboratory covers an area of more than 1,000 square meters and is equipped with over 30 sets of advanced testing equipment from home and abroad. It has full-range testing capabilities for photovoltaic products, has obtained certification from China’s CNAS (China National Accreditation Service for Conformity Assessment), and acquired witness testing qualifications from professional institutions such as Germany’s TÜV SÜD. With independent testing qualification for photovoltaic products, the laboratory can provide a comprehensive testing platform for solar photovoltaic products.

Jetion Technology’s R&D cooperation projects include experimental work for high-quality initiatives such as the Technology Development Related to Perovskite/Crystalline Silicon Tandem Cells, a Key Industrial Technology Innovation Program under the 2024 Specialized Fund for Manufacturing Powerhouse Construction of Jiangsu Province, projects related to Photovoltaic Testing and Calibration Technology of the Wuxi Perovskite Industrial Technology Innovation Consortium, and the R&D of Large-Area, Flexible and High-Efficiency Crystalline Silicon Solar Cells for Space Applications under the Major Science and Technology Projects of Jiangsu Province.The laboratory has established cooperation and communication mechanisms with external institutions such as enterprises and universities to conduct cooperation negotiations; it organizes laboratory personnel to participate in academic exchange activities to enhance academic influence. It improves the construction of the achievement transformation platform and formulates relevant processes and incentive mechanisms. The laboratory has established a sound operation management and scientific research innovation system, which has passed internal assessments and external expert reviews.



Leading Product Warranty&Comprehensive Product Certifications

The warranty strategy is a core value contract for Jetion Solar to build trust with global customers. Guided by the principle of full-life cycle reliability assurance, the Company has established an industry-leading quality management system:

Basic Layer

Provides a 25-year linear power warranty for single-glass modules and a 30-year linear power warranty for double-glass modules.

Process Layer

Delivers a 15-year warranty commitment for heterojunction products. An innovative warranty plan has been launched——integrating Munich Reinsurance and a digital warranty platform to achieve a rapid 72-hour after-sales response.

In terms of certifications, an access certification matrix covering 83 countries has been completed, including stringent standards such as the EU CE certification, TÜV certification, Brazil INMETRO, Colombia ReTIE, CQC, MCS, and Italy's Class 1 Fire Resistance. In 2024, in response to the strict conditions of hot markets like the Middle East, certifications such as Salt Mist Level 8, Ammonia Resistance, and Sand and Dust Resistance were added to meet the demand for exceptional quality in emerging market environments. Moreover, our Company's HJT cells have obtained the world's first LID certification from TÜV SÜD.

For double-sided modules, an innovative warranty solution has been developed to ensure a front-side power degradation of ≤0.45% per year. Combined with the power generation difference compensation clause from Munich Re, it significantly reduces the levelized cost of electricity (LCOE) for power plants. The Company's warranty database has accumulated and analyzed the operation data of 20GW of products worldwide, establishing a failure mode prediction model. With warranty redundancy exceeding industry benchmarks, it builds an indestructible "quality moat" for global energy assets.

Strict Full-process Quality Monitoring System

In terms of product quality management, we have established a multi-dimensional quality monitoring system that runs through the entire product life cycle:

Traceable Throughout the Process

Raw Material Control	Production Process Control	Reliability Control	After-Sales Control
Through supplier qualification review, feeding inspection, and a traceability mechanism for key materials, we ensure that 100% of raw materials meet industry safety standards.	Relying on intelligent testing equipment, we implement SPC (Statistical Process Control) online monitoring for key processes to ensure the continuous stability of product yield.	Accelerated life testing and extreme environment simulation are adopted, enabling the product's mean time between failures to reach an industry-leading level. For delivery control, the AQL (Acceptable Quality Limit) sampling standard and electronic traceability of quality records for all batches are implemented to ensure 0 release of non-conforming products.	Through remote monitoring and a 48-hour rapid response mechanism, combined with 8D root cause analysis of customer complaints, we promote continuous improvement of the quality closed loop. Ultimately, we achieve the sustainable development goals of reducing the annual customer quality complaint rate and minimizing resource waste.
• Incoming Inspection • Supplier Assessment • Raw Material Testing Center	• Automated and Intelligent Workshop • >90% automation • Workshop 6S Management	• Consistency of Mass Production Monitoring • Cover Every Factory • Each Set of BOM	• Leading Product Quality Assurance • Comprehensive Product Certification • Customer Satisfaction Survey

Integrated Management System of Five Standards

ISO 9001 ISO 14001 ISO 45001 IEC 62941 ISO 50001

IPQC In-Process Quality Control

Material Preparation

Temperature and Humidity Inspection / Raw Material Inspection / Insulation Strip Inspection / EVA Size and Storage Control / MES System Information Input

Layout

Temperature and Humidity Inspection / Technical Parameter Verification / Welding Temperature Control / Welding Quality Inspection / EVA & Backsheet Storage Control / MES System Information Input / 100% EL Inspection

Automatic Framing

Raw Material Inspection / Silicone Encapsulation / Module Size Inspection / Junction Box Welding Inspection / Module Curing Temperature and Humidity Control

Automatic Welding

Temperature and Humidity Inspection / Raw Material Inspection / Process Parameter Verification / Adhesion Test / Appearance Inspection / MES System Information Input

Lamination

Temperature Control and Inspection / Vacuum Pressure Inspection / Process Parameter Verification / Cross-linking Degree Test / Adhesion Test / Appearance Inspection / MES System Information Input

Testing

Withstand Voltage Test / Insulation Test / Grounding Test / Temperature and Humidity Control / 100% EL Inspection

Case

Outstanding Honor! Jetion Solar Wins the National Building Materials Industry Quality Benchmark

On January 16, 2024, the China Building Materials Federation released the list of winners of the 2023 Selection and Exchange Activity for Typical Experiences of Quality Benchmarks in the National Building Materials Industry. Jetion Solar took the top spot and won the honor of a benchmark enterprise in the national building materials industry.

To implement the requirements of the Outline for Building a Quality-Strong Country and fulfill the corporate mission of "Empower the society with sustainable green energy, and create a better world with a better environment", Jetion Solar (China) Co., Ltd. was invited to attend the first National Building Materials Industry Quality Benchmark Typical Experience Exchange Conference. By summarizing practices and combining with the pioneering spirit of Jiangyin, Jetion Solar, with the project *Experience in Implementing Quality Management Based on "Excellent Product Process Control"*, won the only first place in the typical experience of the national building materials process control category, demonstrating the enterprising courage and striving spirit of Jetion Solar.

At the 38th National Building Materials Industry Quality Management Activity Achievement Release and Experience Exchange Conference held in the same period, Jetion Solar (Tongcheng) Co., Ltd. won the third prize with the project "Reducing Rework of Black Spots Before Lamination at the Customer End", Jetion Solar (China) Co., Ltd. won the Excellence Award with the project "Improving the Reduction of Missed Detection of cells", and the "Concentric Team" of the Customer Service in the Quality Department won the title of Quality-Trustworthy Team in the National Building Materials Industry.

At the beginning of 2024, ten departments including the Ministry of Industry and Information Technology, the State Administration for Market Regulation, and the National Certification and Accreditation Administration jointly issued a notice on the implementation plan for the high-quality development of the green building materials industry. Jetion Solar (China) will continue to further improve around the requirements of "energy conservation, emission reduction, low carbon, safety, convenience, and recyclability" of photovoltaic products in their life cycle, build an internationally renowned green photovoltaic enterprise, continue to maintain the brand awareness of quality first, and make greater contributions to the achievement of the "dual-carbon" goals.

Case

Quality Month Activity: Strengthen Quality Support and Build a Quality-Strong Country

The autumn light on the osmanthus branches, the sparse yellow among the green cloud shadows, and another year of autumn waves rising, Jetion Solar is busy with development. In this season of osmanthus fragrance, with the core of fully implementing the spirit of the Third Plenary Session of the 20th Central Committee of the Communist Party of China and the deployment requirements of the *Outline for Building a Quality-Strong Country*, to strengthen quality support, promote high-quality development, and adhere to the requirements of China National Building Material Group Corporation regarding quality work, and actively respond to the call of Kaison Group and China National Building Material International Engineering Co., Ltd. for the Quality Month activity, Jetion Solar (China) Co., Ltd., centering on the theme of "Jetion Quality Manufacturing, Inspiring the Future", organized and held the 2024 Quality Month Summary and Commendation Conference.

Under the advocacy and deployment of the State Administration for Market Regulation, the State Council, etc., this "Quality Month" activity united 27 relevant departments and mobilized a large number of enterprises to actively participate. It aims to enhance the general public's awareness and attention to quality through various means. At the beginning of the activity, Jetion Solar actively responded and organized activities such as employee quality publicity and education, quality training, QCC quality control circle research, quality competitions, knowledge contests, and quality essays to improve employees' quality awareness and sense of responsibility.

The Quality Month Activity is an important carrier for enterprises to strengthen quality awareness and enhance core competitiveness. By centrally carrying out quality training, problem rectification, and result promotion, Jetion Solar systematically investigated quality hazards, optimized the production process, and significantly reduced quality costs; at the same time, it cultivated a quality culture with full-staff participation, promoted the implementation of the PDCA cycle, promoted the upgrade of product services, enhanced customer trust, provided long-term support for enterprises to build a sustainable quality management system and brand competitive advantages, and achieved the dual improvement of economic and social benefits.

Excellent Manufacturing

Jetion Solar's key practices in the field of excellent manufacturing are reflected in its globally distributed highly automated smart factories, advanced ERP system, and in-depth integration of Manufacturing Execution System (MES), which together form an efficient, transparent and sustainable manufacturing system. By deploying smart factories, the Company has achieved intelligent connection of processes relying on G12 large-size silicon wafer production lines and AGV carts, significantly improving production flexibility and market responsiveness to meet the demands of customers in different regions for high-efficiency heterojunction modules and differentiated products.

Its advanced ERP system has established a collaborative network connecting the R&D center with four intelligent manufacturing plants. Through resource integration and data sharing, it optimizes supply chain management. For example, it ensures the stable supply of key materials when raw material prices fluctuate, supporting the efficient delivery of global projects. Meanwhile, the MES system covers the entire process from raw material procurement to product delivery. Combined with quality traceability technology, it ensures 100% traceability of production parameters, process routes and quality data of each cell and module. This has increased the pass rate of mass-produced products to an industry-leading level and helped reduce the customer-side quality complaint rate by 28% year-on-year. This intelligent manufacturing system not only helps the Company remain a qualified supplier to leading enterprises such as State Power Investment Corporation, but also provides photovoltaic solutions with both high efficiency and low carbon footprint for global energy transformation through green building materials certification and full-life cycle quality management.

Modular Fully-Automatic Production Line

The high-efficiency modular fully-automatic production line greatly ensures the consistency of product quality.

Advanced Manufacturing Execution System (MES)

MES enables the information interconnection of the entire factory and is an important part of the excellent manufacturing of our smart factory.

Real-time Quality Monitoring Platform

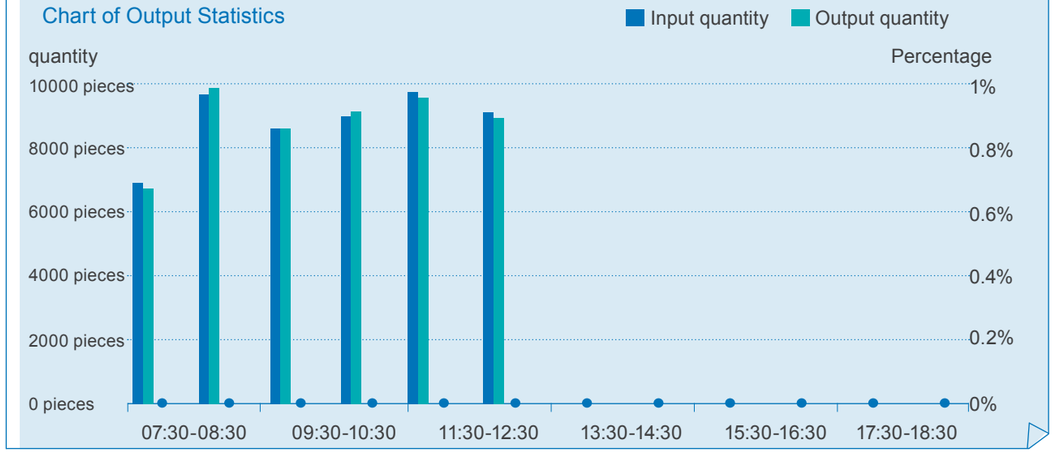
Fully transparent manufacturing management realizes the full-cycle monitoring from raw material quality control, production, testing to delivery.

Case Smart Rework Traceability System Project Based on AI Model

With artificial intelligence technology as the core, aiming at the pain points such as lagging quality inspection and low rework efficiency in the production process of photovoltaic modules, a full-process closed-loop system of "AI Inspection-Data Traceability-Smart Rework" has been built. The project deploys 9 string EL online inspection devices, integrates 4-megapixel industrial cameras and deep learning algorithms, realizes real-time detection of more than 10 types of defects such as micro-cracks and pseudo-soldering, with a missed detection rate of ≤0.3% and a single detection time of ≤2 seconds, and is compatible with multi-specification battery cells. The system synchronously connects to the MES data network to realize the real-time upload and precise traceability of defect pictures and work order information. Through the linkage of a barcode scanner and a display screen, it guides workers to quickly locate defect positions and eliminates the paper record link.

After implementation, the rework rate of laminated layers in the workshop has dropped from 8% to below 5%, releasing an annual production capacity of 23MW, reducing 9 positions for EL inspection and recording, and saving an annual labor cost of over 1 million yuan. The project innovatively integrates AI vision and dynamic optimization algorithms, establishes a paperless rework mode, forms enterprise technical standards, and promotes the transformation of photovoltaic manufacturing from experience-driven to data-driven. Its technical solution has been replicated in precision manufacturing fields such as lithium cells, achieving an annual cost reduction of 3 million yuan per factory, reducing 15% of silicon wafer waste, and achieving an annual carbon emission reduction of 120 tons, providing a replicable practical model for the coordinated development of industrial intelligence and green transformation.

Chart of Output Statistics



Green Transportation

Jetion Solar actively responds to the national “dual-carbon” goals. Taking green transportation as the starting point, it systematically optimizes the logistics network and comprehensively reduces the carbon footprint of the supply chain. In the short-distance transportation link, the Company gives priority to using new energy freight vehicles to replace traditional fuel-powered vehicles. Among the 132 freight vehicles deployed in 2024, new energy vehicles account for 10.6% (14 vehicles). They have traveled a cumulative 3,570 kilometers, reducing carbon emissions by approximately 956 kilograms and injecting low-carbon momentum into urban distribution.

In 2024

14	Accounting for 10.6 %	Total mileage reached 3570 kilometers	Reduced carbon emissions around 956 kilograms
new energy vehicles deployed			

In domestic medium- and long-distance transportation, the Company promotes the road-rail combined transportation mode, significantly improving transportation energy efficiency. Taking the Shanghai Zhongkai project in June 2024 as an example, through segmented transportation of “road + railway”, 97 freight vehicle trips were completed. The railway transportation mileage reached 259,180 kilometers (43 trips on the Haian section × 2,800 kilometers, 54 trips on the Tongcheng section × 2,570 kilometers). Compared with full-road transportation, it reduced carbon emissions by approximately 31,000 kilograms, a decrease of 45%.

In the field of international transportation, the Company deepens its multimodal transportation strategy. In the domestic export section, sea-rail combined transportation is adopted, and the proportion of the Junfeng-Shanghai (46 containers) and Tongcheng-Shanghai (65 containers) routes has increased to 15.2%. For goods exported to Europe, the China-Europe freight train combined with road-rail transportation is preferred (63 containers from Tongcheng to Hungary, accounting for 8.6%). By leveraging the advantage of large-volume sea transportation, the unit energy consumption is further reduced. Taking a Very Large Crude Carrier (VLCC) as an example, with a single-ship load capacity of over 300,000 tons, the carbon emission intensity under the same cargo volume is only 1/40 of that of road transportation and 1/4 of that of railway transportation, achieving large-scale emission reduction.

In addition, the Company improves transportation efficiency by optimizing packaging design and loading schemes: customizing the packaging structure based on the shape of the goods, reducing the void ratio by 20%; dynamically planning the loading scheme according to the vehicle type, increasing the volume utilization rate of a single-trip transportation by 15%. Throughout the year, it has reduced ineffective vehicle trips by more than 50 times, indirectly reducing carbon emissions by approximately 3.5 tons.

Jetion Solar drives the green transformation of transportation through technological innovation and management upgrading, providing a replicable practical sample for low-carbon logistics in the industry. In the future, it will continue to expand new energy transportation capacity and deepen the combined transportation network, making green transportation the “sunlit path” that supports the carbon neutrality goal.

Green Warehousing

CNBM Photoelectronics drives the intelligent upgrade of warehousing with technological innovation, creating an industry-leading multi-layered three-dimensional intelligent warehousing system. Through high-level automation and spatial reconstruction, it achieves resource intensification and low-carbon operations.

This system adopts a three-layer three-dimensional storage design, integrating 1,335 pallet storage locations within the floor area of 445 flat pallets. The space utilization rate is increased by 3 times compared with traditional warehousing, effectively alleviating the pressure on land resources. Relying on the coordinated operation of four-way shuttle cars, elevators, and an intelligent conveyor system, the efficiency of goods access is significantly optimized: the four-way cars support flexible movement in multiple directions, and the time for a single access is shortened to 1.5-2 minutes, which is more than 60% faster than manual operations; the average daily manual intervention is reduced by 4 person-times and the forklift transportation is reduced by 10-20 times. The annual energy consumption can be reduced by about 12 tons of standard coal, and the labor cost is simultaneously cut by more than 200,000 yuan.

In terms of precise management, the servo control system realizes the automatic scheduling of goods throughout the process, and the error rate of incoming and outgoing warehouses is close to zero. By integrating a wrapping machine, weighing sensors, and an LED visualization terminal, the system monitors goods status in real time and automatically corrects deviations. The efficiency of packaging integrity verification is increased by 50%, and the frequency of manual intervention is reduced by 75%. For example, when handling an average of 3,000 goods per day during peak hours, the system still maintains a 99.8% operation stability rate, greatly reducing rework losses caused by mistakes and omissions.

In addition, the intelligent warehousing mode promotes standardization upgrading: dynamically optimizing the warehousing layout increases the inventory turnover rate by 35%. Combined with data-driven loading scheme design, the transportation path within the warehouse is shortened by 40%, and the equipment empty driving rate is reduced to less than 5%. During the operation in 2024, this system has cumulatively reduced invalid handling operations by more than 12,000 times, indirectly reduced carbon emissions by about 18 tons, and the comprehensive operating cost of a single warehouse has decreased by 27%.

Taking intelligent warehousing as a pivot, CNBM Photoelectronics builds a simple, intensive, and efficiency-improved sustainable supply chain system, providing a replicable model for the green transformation of the manufacturing industry. In the future, it will continue to iterate AI scheduling algorithms and integrate clean energy equipment to further strengthen the ESG value creation capability in the warehousing link.

High-quality Services

Jetion Solar adheres to the service philosophy of “respecting customers, understanding customers, and continuously providing products and services that exceed expectations”, and has built a refined customer service system throughout the entire life cycle:

- Standardizing the global customer demand docking process through the *Customer Communication Control Procedure*, and realizing 24-hour cross-time zone response through a digital platform;
- Ensuring zero-risk circulation of customers’ intellectual property rights and trade secrets relying on the *Customer Property Control Procedure*;
- Innovatively introducing dynamic assessment in the *Customer Satisfaction Measurement Control Procedure*, and quantifying service improvement in combination with quarterly in-depth interviews;
- Promptly solving problems reflected by customers through the *Customer Service and Feedback Control Procedure*, and realizing closed-loop handling of customer complaint cases within 48 hours using the 8D analysis method through the “timely problem resolution” management mechanism.

This system has significantly improved the efficiency of responding to customer needs, continuously consolidated strategic cooperation with customers, and fulfilled the commitment of being a permanent service partner.

Jetion Solar Customer Service and Feedback

Pre-sales Technical Support

- The sales immediately communicates the customer’s product requirements to the customer service.
- The customer service reviews the customer’s requirements and feeds back the review results to the sales.
- The customer service and sales work together to answer technical questions.
- Before order production, the customer service fills in relevant documents and communicates the requirements of the reviewed order to relevant departments in written form.
- The customer service tracks and coordinates the technical quality during order production.

Customer Quality Feedback

- The sales or customer service understands the detailed feedback information and fills in the *Customer Quality Feedback Handling Form*.
- The customer service registers the feedback information and confirms the quality, quantity, etc.
- The quality customer service determines the countermeasure according to the situation, and dispatches service personnel to confirm on-site within two working days if necessary.
- When the customer service confirms on-site at the customer’s location, it records the service content in the *After-sales Service Sheet* and files it.
- The customer service records the handling plan in the *Customer Quality Feedback Handling Form* and submits it to relevant units for plan review.
- For complaints confirmed to require return, exchange, or replenishment of goods, fill in the *Return and Exchange Arbitration* and attach relevant documents, and organize review by multiple departments.
- The customer service files copies of the *Customer Quality Feedback Handling Form or Return and Exchange Arbitration* in the customer’s file.
- The customer service cooperates with the sales to communicate with the customer according to the approval results, and notifies the customer to return the product when handling return or exchange.
- The quality organize relevant departments to rectify the problem and tracks and verifies the implementation of corrective actions.
- Submit a written *8D Report* to the customer

Physical management of returned and exchanged product items

- Returned handling

The sales notifies the customer to return the needed product to the Company and is responsible for receiving it. If necessary, notify the quality department to send personnel to conduct on-site inventory confirmation at the customer’s location; after the sales department receives the returned items, notify the quality department to re-inspect.

- Exchanged handling

When it is confirmed that the product needs to be exchanged, the sales department determines whether to exchange for the same product according to the *Return and Exchange Arbitration*.

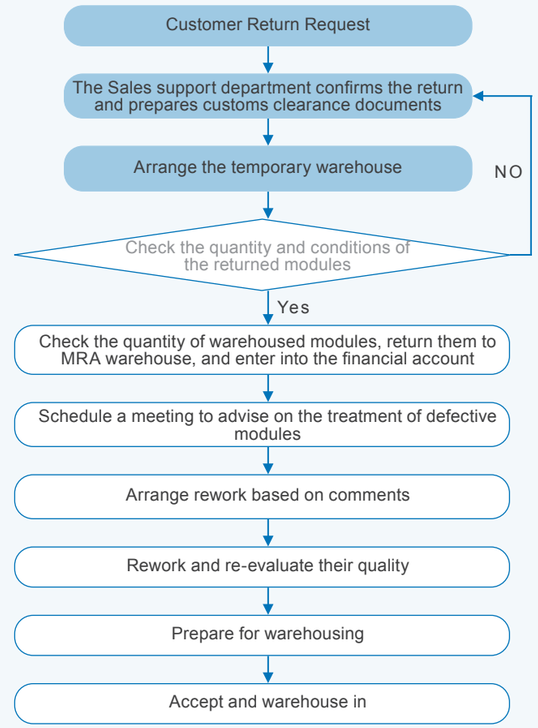
Jetion Solar, with the core concept of being a full-cycle service partner, has built a closed-loop service system covering pre-sales to after-sales:

Service system

- Achieve service standardization and agility through the *Customer Return Handling Process* and supporting mechanisms;
- Rely on a digital platform to build a customer complaint management system of “hierarchical early warning-time-limited response-root cause traceability”, implement a 48-hour rapid response mechanism for customer feedback, and use the PDCA cycle to conduct full-process control over return and exchange rulings, problem analysis, and corrective actions;
- For complaint cases, carry out root cause analysis through cross-departmental collaboration and formulate preventive improvement plans. Simultaneously, incorporate complaint data into service reviews and annual satisfaction analysis reports, forming a “data-driven, dynamically optimized” service upgrade path.

This system has driven the customer complaint closure rate to reach 99%, and by virtue of a transparent ruling process and intelligent feedback tracking, it has continuously been awarded honors such as the “Quality-Trustworthy Team” in the building materials industry and the “Worker Pioneer Team” in Jiangyin City. It solidifies the terminal commitment of the ESG value chain with responsible service capabilities.

Flow Chart for Customer Returns Treatment



Jetion Solar has always been dedicated to creating high-quality products for customers that integrate practicality, technicality, innovation, and environmental friendliness. To better protect customers’ health and safety, we continuously invest in R&D of relevant technologies, obtain related patents and certifications, and apply these technologies to more products.

Case Stable Operation Testing under Complex Conditions in Bulgaria

During the cooperation of photovoltaic projects, customers often face questions in various aspects such as technology selection, project implementation, and policy adaptation. Especially in overseas markets, geographical differences and policy barriers further increase the complexity of communication. To accurately address customers' pain points, the customer service team of Jetion Solar proactively took action and made a special trip to Bulgaria in December 2024 to conduct in-depth face-to-face communications with local key customers.

The service staff focused on customers' core concerns in energy projects, especially in the photovoltaic field. Customers consulted on various questions, including the compatibility of photovoltaic modules, technical difficulties in project construction, and cost control in post-operation and maintenance. With profound technical accumulation, members of the service team provided comprehensive and detailed answers to each question. During the communication, the team not only clearly elaborated on the technical parameters and performance advantages of the Company's photovoltaic modules, but also offered customized project recommendations based on local photovoltaic policies, characteristics of solar resources, and market demands in Bulgaria. In response to the customer's question "How to ensure the long-term stable operation of modules under local complex climatic conditions", team members drawing on the application cases of the Company's products in regions with similar climates, conducted a detailed analysis of the product's design advantages and operation-maintenance plans from the perspectives of modules' sand resistance and high-low temperature tolerance. This helped customers gain a clearer understanding of the project's feasibility and stability. This "technology-based and locally tailored" communication approach not only quickly resolved customers' questions, but also demonstrated the team's ability to accurately grasp and respond promptly to customer needs.

To give customers a more intuitive understanding of the actual performance of the Company's products, after the communication meeting, the service team and the customers visited a rooftop photovoltaic power station in an industrial park in Sofia, the capital of Bulgaria, to conduct on-site inspection work. This inspection was not a simple visit, but an elaborately prepared, highly technical professional testing process, fully demonstrating the professionalism of Jetion Solar's service team. The service staff carried advanced and professional industry-specific testing equipment such as infrared thermal imagers and power analyzers to accurately capture operational data from all aspects of the photovoltaic system. Based on the actual conditions of the rooftop photovoltaic power station, they formulated a full-link testing plan from modules to inverters, combiner boxes, and finally to the grid connection terminals. Using infrared thermal imagers, they inspected each photovoltaic module individually to quickly identify potential faults such as hot spots. With power analyzers, they conducted real-time monitoring of the output power of inverters and combiner boxes, analyzing the system's power generation efficiency. Meanwhile, they tested parameters such as voltage and current at the grid connection terminals to ensure the safety and stability of the system's grid integration.

The success of this trip to Bulgaria was not accidental, but the result of the long-term continuous investment by Jetion Solar's service team in areas such as service system development and personnel competence cultivation. As key practitioners of the Company's strategy from product supply to full-life-cycle services, the service team has always taken professionalism as its foundation. Through multi-dimensional development, it has built a photovoltaic service partner team trusted by customers.

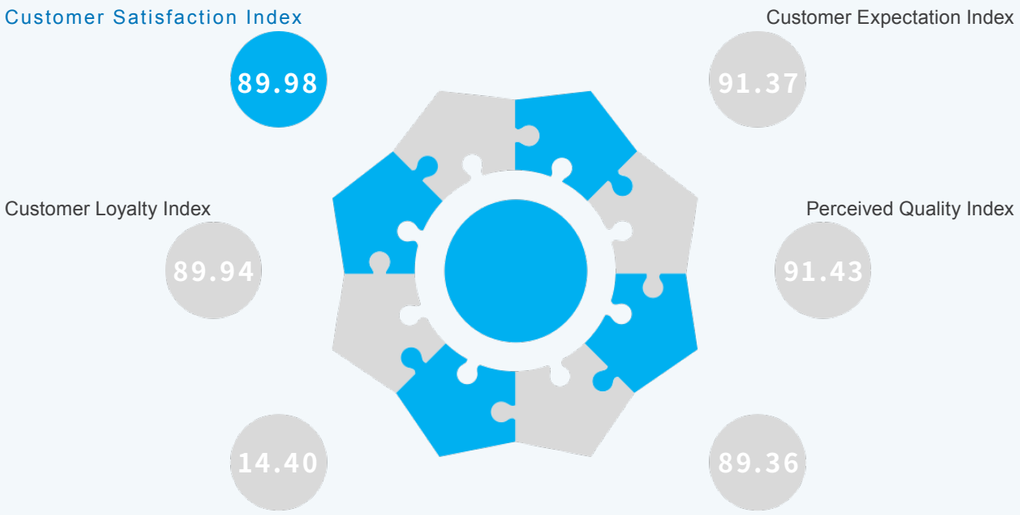
Case Safety Protection and All-Round Escort

"No detail is too small in after-sales service, customer needs are directives", this is the service principle that Jetion Solar's service team has always adhered to. In August 2024, a large-scale floating photovoltaic project in Anhui officially broke ground. This key milestone is not only related to the efficiency of the project's subsequent progress, but also directly affects the customer's investment returns and the quality of project implementation. Upholding the concept of "After-sales Service First", Jetion Solar's service team quickly responded to the customer's needs, rushed to the project site as soon as possible, and provided comprehensive after-sales support for the project's kickoff, solved the customer's worries and concerns with professional and considerate services.

The service team of Jetion Solar has proactively advanced after-sales service by taking the initiative to engage with relevant parties such as project contractors and supervisors. They promptly organized specialized technical disclosure meetings, providing customers with precise technical support through hands-on guidance and one-on-one Q&A. During the meetings, the team's senior technical service staff gave detailed explanations on the key technical indicators of the modules used in this project. Every aspect—from the modules' water corrosion resistance and light transmittance parameters to the installation angle requirements adapted to the floating environment—was broken down in combination with the actual project scenario. Considering that most construction workers are frontline operators, who might find it difficult to quickly grasp key points through theoretical explanations, the service team specially prepared physical module samples, installation flowcharts, and videos of installation cases from previous floating projects. Through physical demonstrations, the construction workers could intuitively see every key step of module installation, such as how to accurately secure module brackets to counteract water-induced vibrations and how to properly apply waterproof sealing for module wiring connections. The service team patiently answered each question, not only providing professional technical advice but also sharing the practical experience the Company had accumulated from other floating photovoltaic projects, thus offering contractors solutions that could be directly referenced. This after-sales model which characterized by proactively anticipating needs and resolving issues, has effectively cleared technical obstacles in the pre-construction phase, allowing customers to truly feel the peace of mind that comes with a smooth project kickoff.

The service team of Jetion Solar is well aware that after-sales service should not only ensure the technical implementation of projects, but also protect the personal safety of customers and the steady progress of projects. Therefore, it prioritizes safety-focused after-sales service, proactively collaborates with the project's safety management department, and develops a customized safety training program based on the specific environment of the project's water-based operations after in-depth communication. It conducts highly targeted specialized safety training for construction workers – providing detailed explanations of various safety hazards such as personnel falling into water, electric shock, and equipment capsizing during water-based installation, and clarifying the corresponding preventive measures and emergency response procedures for each type of hazard. This initiative of prioritizing customer safety and proactively expanding after-sales safety services enables customers to truly feel Jetion Solar's responsible attitude towards the entire project process. It builds a solid safety defense line for the project and relieves customer's safety concerns during project advancement. Moreover, from rushing to the site as soon as the project started, to providing detailed explanations during technical disclosure, and then to offering thoughtful guidance in safety training, the service team has always centered on "customer needs as the core". By virtue of professional technical knowledge, rich practical experience, and a conscientious and responsible work attitude, it has provided customers with after-sales service that exceeds their expectations.

Customer Satisfaction Results



Sustainable Supply Chain

Jetion Solar firmly believes that sustainable supply chain management will help us effectively manage environmental and social risks in the value chain, build a more stable and resilient value chain. It has long been committed to promoting sustainable supply chain management, integrating environmental and social responsibilities into supplier assessment. Through system leadership and real-time supplier management, it achieves a dynamic balance between economic benefits and ecological value.

The Company relies on the *Supplier Selection and Review Control Procedure* to establish the concept of full-life cycle supplier management. It uses performance assessment compliance, social responsibility practices, etc. to conduct annual rating of suppliers, and incorporates carbon footprint and waste management data into the recommendation of high-quality suppliers. At the same time, through the *Supplier Guidelines* and *Integrity and Good Faith Commitment Letter*, it forms the overall norms and requirements for the sustainable supply chain, covering labor rights and benefits, occupational health and safety, environmental protection and supply chain management performance, and covering suppliers and contractors. It clearly states zero tolerance for non-compliance, embeds multiple ESG standards such as International Labor Organization Conventions and Conflict Minerals Control into the new supplier audit requirements, monitors the compliance of suppliers' behaviors, achieves requirements such as zero child labor and working hours compliance, eliminates high-risk suppliers, and uses advanced management experience to conduct full-life cycle management of suppliers, thus realizing a sustainable supply chain.

Supplier Full-Life Cycle Management Methods

It covers the entire process from supplier introduction, cooperation, performance monitoring to exit, aiming to optimize supply chain efficiency, reduce risks, and enhance the stability of cooperative relationships.

Supplier Introduction and Access Management

Supplier Screening and Assessment

Formulation of standards: Clearly define supplier qualification requirements according to enterprise demands, including financial status, production capacity, quality system requirements, environmental and social responsibilities, etc.

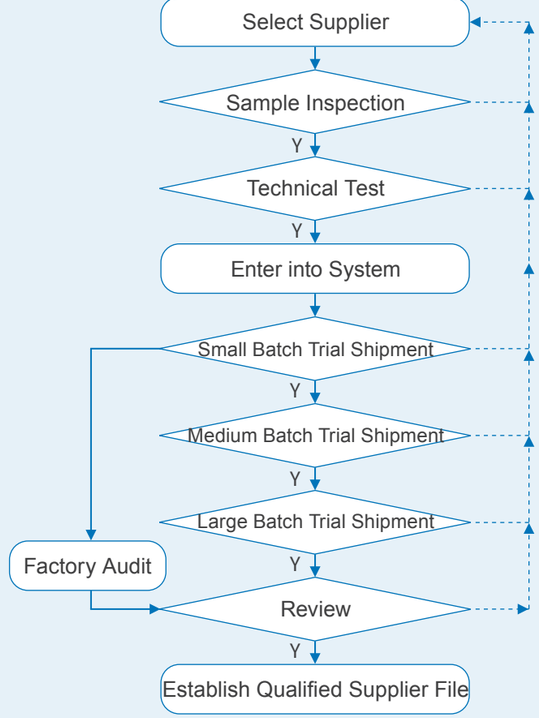
Information collection and assessment: Collect supplier information through multiple channels such as exhibitions, previous transaction records, AI recommendations, and industry databases, and use digital tools for batch screening and risk assessment (such as change risks, litigation risks, etc.).

Qualification review: Require suppliers to submit qualification certificates (such as business licenses, product certifications, SGS material reports, ESG reports), and verify their capabilities through on-site audits or sample tests.

Classification and Grading

Suppliers are classified into Grade A, Grade B, Grade C, and Grade D according to the strategic importance, material importance, delivery status, etc. of purchased materials, and their grades are dynamically adjusted.

New Supplier Review



Supplier Cooperation and Collaborative Management

Cooperation Agreement and Execution

Clearly define contract terms, including quality requirements, delivery cycles, price mechanisms, and liability for breach of contract. And realize order collaboration and progress tracking through the ERP system.

Digital Collaboration Platform Use

The procurement platform system of China National Building Material Group and the ERP system to build a procurement-supply collaborative workbench, supporting functions such as suppliers' online quotation and order confirmation, reducing manual communication costs.

Supplier Capability Development

Improve suppliers' capabilities through methods such as joint R&D and technical training.

Supplier Performance Monitoring and Improvement

Key Performance Indicator System

Set indicators such as on-time delivery rate, quality pass rate, and cost reduction rate, and conduct regular assessing.

Continuous Improvement Mechanism

Establish supplier improvement plans, such as joint quality improvement projects or process optimization; use data analysis tools to predict risks and intervene in advance, for example, early warning of raw material price fluctuations.

Digitalization

Through the integration of product life-cycle management and the procurement ERP system, realize the linkage between BOM (Bill of Materials) and real-time delivery product data of suppliers, ensuring the consistency of design and procurement.

Supplier Risk Management and Exit Mechanism

Risk Identification and Prevention

Monitor the operational risks of suppliers, and identify associated relationships through relationship investigation to avoid interest conflicts.

Exit Strategy

Gradually reduce cooperation with under-performing suppliers, such as those with delayed deliveries or substandard quality. Suppliers with major violations (e.g., environmental issues) are directly classified as Grade D suppliers.

Summary and Industry Practices

The core of supplier full-life cycle management lies in the combination of standardized processes and digital tools:

Standardization
Clarify rules for each stage to reduce human intervention.

Digitalization
Improve efficiency using procurement systems and risk monitoring tools.

Sustainability
Focus on green supply chains and social responsibilities to enhance the ESG performance of corporate.

Supply Chain Performance Assessment

Jetion Solar has formulated the *Supplier Selection and Review Control Procedure* for the full-process management of suppliers, covering links such as new supplier review, qualified supplier management and audit.

We strictly implement the requirements of the procedure, which is jointly executed by relevant functional departments including procurement, supplier quality management, and R&D, with supervision and approval by the management. Before introducing new suppliers, we first screen them based on their compliance with environmental, social and other standards and related risks. New suppliers are required to pass capability assessments in terms of quality, environment, occupational health and safety, corporate social responsibility management system, material product certification, compliance, financial risks, and supply chain traceability. Based on the results of the supplier capability assessment and the preliminary confirmation of material technical specifications, the procurement department fills in the *Supplier Sample Certification (Test) Review Form* to apply for entering the audit process. After passing the sample testing, the procurement department organizes personnel from quality, technical R&D and other departments to conduct on-site audits of new suppliers, assessing their comprehensive performance in quality, delivery, business ethics, environmental management, etc., to ensure that all suppliers are free from illegal practices such as child labor, forced labor, use of hazardous substances, and violation of safety regulations. Only new suppliers that pass the assessment and audit can become qualified suppliers.

The Company incorporates suppliers' annual performance in technology, environmental protection, safety, service, etc., into the supplier management system for regular assessment, and forms assessment results through scoring. Based on the scoring results, differentiated management is implemented:

- High-quality suppliers with Grade A scores jointly build an excellent industrial chain and are given priority in early delivery of high-quality products;
- Suppliers with Grade B scores are included in the next year's qualified supplier audit plan, and ESG capability improvement work is carried out for general suppliers, with improvement plans covering all enterprises to be upgraded;
- Grade C suppliers for rectification and Grade D suppliers for elimination are handled in accordance with compliance requirements. Meanwhile, an ESG risk early warning mechanism for the photovoltaic supply chain is established to systematically reduce compliance risks in the industrial chain.

Supplier Audit

Grade A Low Risk	Grade B Low Risk	Grade C Medium Risk	Grade D High Risk
Under the same business conditions, the procurement share can be increased	Maintain the existing order quantity	Reduce the procurement quantity as appropriate and urge the supplier to rectify	Suspend large-volume procurement in the next evaluation cycle, and the supplier shall carry out special rectification; can be used as an alternative supplier after passing the verification

List of Sustainable Procurement Performance Data

Indicator	Unit	2024	2023	2022	2021
Suppliers Undergoing Annual Review	Piece	79	92	85	98
Proportion of Suppliers Completing Social Responsibility Questionnaires	Piece	100	92	85	98
Proportion of Suppliers Undergoing On-site Social Responsibility Audits	Piece	100	20	20	28

Supply Chain ESG Risk Management

Jetion Solar improves the identification of environmental, social, and governance (ESG) risks in the supply chain, and implements risk management throughout the entire supplier management process. It ensures that workers in the supply chain enjoy labor rights and benefits protection, including the right to freedom of association and a healthy and safe working environment, avoids child labor and forced labor, and creates a sustainable supply chain of equality and zero discrimination.

We have initially established the ESG code of conduct focus topics for suppliers of Jetion Technology. The ESG code of conduct topics for suppliers cover 4 dimensions (corporate governance, labor rights and benefits and health, environment, and business ethics) and 15 themes. Risk analysis is conducted on the ESG rating results of suppliers. The risk analysis results help Jetion Solar more comprehensively integrate the elements of sustainable development management into the supplier management mechanism and supply chain risk management process, enhancing the overall risk prevention capabilities and resilience of the supply chain.

Core ESG Topics Addressed in the Code of Conduct for Supply Chain Partners

Corporate Governance
- ·Compliance with Laws and Regulations
- ·System Improvement
- ·Supervision and Review
- ·Grievance Mechanism

Environment
- ·Environmental Management
- ·Sustainable Procurement
- ·Raw Material Recycling

Business Ethics
- ·Anti-corruption and Anti-bribery
- ·Information Security
- ·Supplier Transparency

Labor Rights and Benefits, Health and Safety
- ·Prohibition of Child Labor
- ·Prohibition of Forced Labor
- ·Anti-harassment, Anti-abuse, and Anti-discrimination
- ·Decent Work
- ·Employee Health and Safety

Supplier Social Responsibility Training

We continuously carry out capability building and awareness training for procurement and supplier management engineers to help them better identify and effectively manage social and environmental risks in the supply chain. The Company provides specialized training for the procurement team, such as “Sustainable Procurement”, “Procurement Risk Management”, and “Carbon Footprint and Carbon Emission Reduction”. Interactive exchanges and discussions are conducted, and ESG requirements such as international labor standards and circular economy requirements are gradually incorporated into supplier audits.

To deepen the transformation of training achievements, the ESG requirements for suppliers in the sustainable supply chain are linked to the performance assessment of suppliers’ annual audits. The development of the sustainable supply chain is promoted through linking performance evaluation results, striving to enhance capability building in the supply chain. It is used for preferential order acquisition or credit limit increase. This achieves a qualitative breakthrough from compliance training to innovative collaboration, injecting momentum into building a responsible global photovoltaic supply chain.

Sustainable Procurement Training

Conflict Minerals

Jetion Solar considers the factor of conflict minerals in both supplier selection and daily management. It requires suppliers to strictly implement policies of prohibiting child labor, forced labor, and the use of conflict minerals. We require that 100% of mineral products are not procured from conflict-affected regions, and only use non-conflict minerals with reliable sources or certifications. In the manufacturing process, the use of tungsten, tin, etc. is minimized, and due diligence on conflict minerals at the supply chain end is actively carried out. All suppliers involved in conflict mineral risks have successively signed the *ESG Code of Conduct* and actively trace the sources of materials. No conflict minerals from disputed regions were used in 2024.

In 2024

No conflict minerals from disputed regions were used

We require that **100** of mineral products are not procured from conflict-affected regions

Negative Impact Assessment and Resolution

When suppliers' production has a negative impact on the Company, multi-department collaboration is required. We should start from aspects such as root-cause resolution, process control, and subsequent cooperation adjustment to safeguard interests and operational stability of the Company.

The specific measures are as follows

Establish a cross-departmental emergency team

Composed of personnel from procurement, production, quality, legal, and other departments. It quickly assesses the impact of suppliers' production problems on the Company, formulates a unified response strategy, ensures coordinated actions among departments, and improves the efficiency of problem-solving.

Conduct in-depth root-cause investigation

Communicate with suppliers to understand the causes of production problems, such as insufficient raw material supply, equipment failures, labor shortages, etc. Procurement and technical personnel conduct on-site inspections of suppliers' factories to fully grasp the situation and provide a basis for subsequent decision-making.

Flexibly adjust production plans

The production department rearranges production schedules according to suppliers' delivery situations. If the supply of key materials is delayed, non-urgent products are prioritized for production; production progress is pursued by means of overtime work, shift adjustments, etc. to reduce losses.

Strengthen quality control

The quality department increases the inspection intensity of incoming materials, raises the sampling proportion and inspection standards. For products with unstable quality, suppliers are required to provide detailed quality improvement plans and their implementation is supervised.

Develop alternative suppliers

The procurement department expands procurement channels and looks for new suppliers. A supplier resource pool is established, and potential suppliers are assessed and certified. Ensure that when problems occur with existing suppliers, timely switching can be made to guarantee stable supply.

Negotiate compensation and liability definition

The legal department negotiates compensation matters with suppliers in accordance with contract terms. The responsibilities of both parties are clarified, and suppliers are required to bear the additional costs brought to the Company due to production problems, such as liquidated damages for delayed delivery, inventory backlog costs, etc.

Conduct continuous cooperation assessment

A comprehensive assessment of suppliers is conducted after the problem is solved, considering their production capacity, quality control, delivery performance, etc. comprehensively. Adjust cooperation strategies according to the evaluation results, such as reducing order shares, strengthening supervision, or terminating cooperation.

Packaging Material Recycling

With green production as the concept of sustainable development, Jetion Solar covers all key production links such as product design, production, packaging, and transportation. It is committed to improving the recyclability and recycling rate of packaging materials and setting a benchmark for the green supply chain in the industry.

Recycling of Packaging Materials

Establish recycling requirements for a product recycling environment. Reasonably recycle packaging materials such as packaging boxes for cell and module products, finished product packaging boxes, and wooden pallets. Reduce the usage of auxiliary materials and the generation of waste.

Optimization of Packaging Solutions

Material Replace Waste Reduction: Increase the amount of glass packaging. Replace wooden pallets with steel pallets to improve warehouse utilization, reduce the number of forklift operations, and decrease the generation of wooden waste and energy waste;

Application of Recyclable Packaging: Change the packaging method of some raw and auxiliary materials from cartons to collapsible container, and reuse the collapsible panels to achieve recyclability and reduction of packaging materials.

In 2024

by deploying a recycling bin network, the recycling rate of packaging materials for cells increased to **85.6%**

The goal is to achieve a **90%** recycling rate for all product categories by 2030

providing a replicable zero-waste supply chain solution for the global new energy industry.

Cultivate talents with wisdom
Connect to a bright future

03

2024 Key Performance

Achieved an average of **16** hours' training per employee

the internal promotion rate for key positions reached **73**%

Conducted **21** specialized drills

100% of special operations personnel were certified to work

100% coverage of occupational health examinations

0 occurrence of occupational diseases

100% coverage of risk management and control

Conducted **25** specialized training sessions

100%annual retraining rate for personnel in key positions

Responded to the United Nations Sustainable Development Goals

Actions

- Embrace diversity
- Safeguard employees' rights and benefits
- Democratic management
- Employee care
- Employee Development
- Occupational health and safety
- Enthusiasm for social welfare

Embrace Diversity

Jetion Solar implements the Group's employment philosophy of "People-Oriented, Happy Work" and regards employees as the most valuable asset of the enterprise. The Company has always adhered to the people-oriented principle, focusing on the all-round development of employees in morality, intelligence, and physical fitness. It strengthens learning and training, enriches cultural life, cares about physical and mental health, pays attention to rights and benefits protection, and builds a platform for employees to realize their life values, enabling them to grow together with the enterprise, work with dignity and happiness, and live a happy life.

Currently, the Company's business layout has spanned multiple countries and regions, forming a culturally diverse employee group. In particular, local employees have been recruited in markets such as Europe and Southeast Asia. On this basis, the Company is committed to creating a diverse and equal corporate atmosphere, establishing an inclusive workplace culture, building an organizational ecosystem that is both inclusive and innovative, and enhancing team cohesion. With the development of international business, we will continue to implement measures related to diversity, equality, and inclusion.

Data in 2024 shows that the Company's employees cover 26 provincial-level administrative regions and multiple ethnic groups, such as the Yi, Zhuang, Bai, and Va ethnic groups. Among them, employees from key counties for rural revitalization, such as Liangshan Prefecture, account for 39%. And hidden biases in the resume screening process are eliminated to ensure the fairness and justice of the recruitment process.

The Company requires internal employees and external partners in its policies and systems to fully guarantee the equal rights of employees in all aspects of recruitment, employment, compensation and benefits, training, promotion, resignation, etc., and to eliminate any targeted discriminatory behavior. Employees of different races, nationalities, genders, religions, sexual orientations, etc. are treated equally.

To deepen the inclusive culture, the Company builds a diverse and inclusive empowerment system:

System level: Embed the concepts of the *United Nations' Guiding Principles on Business and Human Rights* into the *Basic Code* to supervise the implementation of anti-discrimination policies;

Culture level: Create characteristic activities such as "Quality Culture Month" and "Women's Care Day".

Development level: Customize career development plans for different groups to achieve the organic integration of traditional culture and modern technology, and inject localized, diverse and innovative momentum into the new energy industry.

By the end of 2024

the Company had **743** employees, including **287** women and **456** men

Summary of Employee Structure Data

Indicator	Unit	2024	2023	2022	2021
Number of new employees	Person	111	492	377	573
Total number of employees	Person	743	1,061	873	885
Number of employee representatives	Person	99	123	123	123
Number of the Safety Committee	Person	45	41	42	43
The proportion of employees who have received performance and career development assessments	%	100	100	100	100
Gender Structure					
Total number of female employees	Person	287	401	357	375
Proportion of female employees in the total workforce	%	38.63	37.79	40.8	42.3
Number of executives (excluding Board of Directors)	Person	5	7	5	5
Number of female executives	Person	1	1	2	1
Proportion of female executives	%	20.00	14.29	40.00	20.00
Age Structure					
Number of employees under 30 years old	Person	198	351	199	174
Number of employees between 30 and 50 years old	Person	525	695	656	680
Number of employees over 50 years old	Person	20	15	18	30
Proportion of employees under 30 years old	%	26.55	33.08	22.79	19.66
Proportion of employees between 30 and 50 years old	%	70.66	65.50	75.14	76.84
Proportion of employees over 50 years old	%	2.69	1.41	2.06	3.39
Educational Background Structure					
Number of employees with doctoral and post-doctoral degree	Person	1	1	2	1
Proportion of employees with doctoral and post-doctoral degree	%	0.13	0.09	0.23	0.11
Number of employees with postgraduate	Person	12	13	8	7
Proportion of employees with master's degree	%	1.62	1.23	0.92	0.79
Number of employees with bachelor's degree	Person	179	216	160	150
Proportion of employees with bachelor's degree	%	24.09	20.36	18.33	16.95
Number of employees with associate degree	Person	210	272	212	228
Proportion of employees with associate degree	%	28.26	25.64	24.28	25.76

Protection of Employees' Rights and Benefits

Jetion Solar adheres to the employment philosophy of "People-Oriented, Happy Work" and enhances employees' happiness index and sense of organizational identity through a diversified welfare system. In addition to fully implementing basic guarantees such as statutory holidays, social insurance, and housing provident funds, it has also developed distinctive welfare programs including health examinations and team-building activities. The Company strives to create a warm workplace ecosystem, enabling employees and the enterprise to grow together.

Employees' Remuneration and Benefits

Salaries	basic salary	performance-based salary	various allowances
Insurances	medical insurance	social pension insurance	employment injury insurance
Social insurances	maternity insurance	unemployment insurance	provident fund
Holidays & Leaves	public holiday	sick leave	marriage leave
	funeral leave	maternity leave	personal leave
	public leave	work-related injury leave	lactation leave
Health Benefits	Regular physical examination	occupational health examination	
Festivaland CulturalConstructive Benefits	Holiday benefits	team building activities	employee birthdays
	employee care	retired employees care	

The Company has deeply integrated the characteristics of the photovoltaic industry, combined the *Labor Law of the People's Republic of China*, the *Labor Contract Law of the People's Republic of China* with the United Nations *Guiding Principles on Business and Human Rights*, and formulated a number of specialized systems such as the *Social Responsibility Management Manual and Anti-Discrimination Norms*. It earnestly protects employees' rights and benefits and is committed to creating a benchmark practice for labor rights and benefits protection in the new energy industry. The Company attaches great importance to the development and care of female employees. It not only avoids arranging female employees in high-intensity labor and high-risk positions during the four periods, but also sets up special support for female technical backbones to participate in the HJT heterojunction cell R&D project. In 2024, the proportion of female R&D personnel increased to 36.36%. Meanwhile, the Company organizes a variety of activities for International Women's Day to guide female employees to improve their cultural literacy, actively implements leave regulations such as maternity leave and breastfeeding leave, provides equal career development opportunities for female employees, supports them to give full play to their potential, bravely pursue their goals and realize their self-worth.

In 2024

the proportion of female R&D personnel increased to

36.36%

Case Jetion Solar Celebrates "Women's Day" with Aromatherapy DIY Workshop

To showcase the charm of female employees in the new era and enhance their sense of gain and happiness, the Labor Union of Jetion Solar (China) organized a Encounter with "Fragrance", "Meet" Beauty Aromatherapy DIY Workshop for all female employees in celebration of "Women's Day". The event was held in two sessions, with over 60 participants in total. During the activity, the staff introduced the types and effects of aromatherapy candles, explained the production steps and precautions in detail, and provided a series of raw materials such as crystal wax and decorative items. In the practical session, under the guidance of the staff, everyone started making aromatherapy products, discussing ideas, sharing experiences, and helping each other to complete every step. This event was not only a wonderful visual and olfactory experience but also injected new connotations into the corporate culture of Jetion Solar. We continue to advocate attention to employee health, team cohesion, and environmental friendliness, actively building platforms for employees to interact and communicate, which has strengthened team cohesion and inspired them to stand firm in their posts and strive for excellence in a relaxed and harmonious atmosphere. Participants expressed that such activities not only cultivated their sentiments and relaxed their minds but also made them fully feel the organization's care for female employees.

Jetion Solar used the aromatherapy DIY as a carrier to transform Women's Day care into a warm ESG practice. During the interaction, employees not only relieved stress through the creative integration of crystal wax and natural fragrances but also deepened team chemistry through collaborative discussions. The event adopted plant-based environmentally friendly materials, integrating health concepts into the fragrant experience, extending "environmental-friendly" from production scenarios to employees' daily lives. Many participants sighed that when holding the homemade aromatherapy candles, they felt respect for women's professional value and physical and mental needs—this respect is reflected not only in the careful support during the manual process but also in the equal development opportunities in daily work. In the future, the Company will continue to innovate employee care ways, allowing "her power" to shine more warmly in the cause of green energy.

Case

“Women’s Day” Themed Activity in Tongcheng

To celebrate “International Women’s Day” on March 8th, practice the spirit of the 20th National Congress of the Communist Party of China, further enhance the Company’s cohesion, and showcase the unique charm of various departments female employees in the new era, the Party Branch of Jetion Solar (Tongcheng) carried out a Themed Party Day Activity for the “March 8th”, extending holiday greetings and best wishes to the female colleagues of the Company.

Gifts are presented to the heroic women, and care warms the heart. Through the themed activity, a romantic and warm holiday atmosphere was created, care was conveyed to gather strength, and the spiritual and cultural life of female colleagues were enriched. This allowed the female employees of Jetion Solar (Tongcheng) to spend a festival full of “sense of ritual” and demonstrated the good image of the Jetion Solar (Tongcheng) team. The female colleagues of Jetion Solar (Tongcheng), in their active dedication to the new journey of the Company’s development, have interpreted the spiritual outlook of “self-respect, self-confidence, self-reliance, and self-strength”.

For the temperature and humidity environment in the solar cell production workshop, the Company has deployed an intelligent temperature control system and ionized air purification devices, and combined them with flexible scheduling to safeguard employees’ occupational health. For employees engaged in distributed power station operation and maintenance as well as power station after-sales services, the Company has equipped them with safety helmets and other labor protection facilities, provided remote guidance, and conducted real-time monitoring of the working environment to ensure that field workers can get sufficient rest.

In 2024

0 occupational disease occurred among frontline employees

Democratic Management

Jetion Solar has always regarded democratic management as the core cornerstone of ESG governance. By building a governance system characterized by “full-chain participation and full-cycle empowerment”, it has formed a sustainable development pattern where employees and the enterprise grow together. The Company has established a three-level democratic decision-making mechanism. At the corporate level, a labor union committee has been set up, with 2 specialized committees under it (covering female employees and fund management). In 2024, rational suggestions from employees were promoted through proposals put forward by employee representatives. At the base level, employee democratic meetings are held, covering 3 production bases. Employees participated in formulating 35 institutional documents, including the *Safety Operation Procedures for Electric Vehicles and Safety Operation Procedures for Hazardous Chemicals*. The labor union and the human resources department held employee forums, and at the team level, daily morning meeting proposals were implemented. Throughout the year, more than 430 improvement suggestions were collected from the grassroots, with a conversion rate of 87%.

The Company strictly abides by the *Constitution of the All-China Federation of Labor Unions* and the *Regulations on the Election of Grassroots Labor Union Organizations*. Among employee representatives, frontline employees account for 68%, and female representatives account for 54%. Through various labor union systems, an immediate feedback and hierarchical response mechanism has been established.

To deepen employees’ participation, the Company has taken two measures: on the one hand, through the construction of a management talent echelon, outstanding employees are selected for middle management positions; on the other hand, a “technical expert promotion channel” has been established. In 2024, more than 10 technological innovation projects were carried out, and 8 patents were applied for. In 2024, the Company participated in the ESG assessment of suppliers and plans to promote the inclusion of supply chain carbon footprint management standards in the review requirements. It has also integrated democratic management into the supplier access system to ensure consistency in industrial chain governance.

By continuously improving the democratic management mechanism, the retention rate of core talents has remained stable at over 95% in the past three years, forming a sound ecology where “employees have voices in decision-making, their rights and benefits are protected, and there are channels for development”. This has injected lasting momentum into the high-quality development of the enterprise.

In 2024

Employee democratic meetings are implemented at the base level, covering **3** production bases

Employees participated in formulating **35** institutional documents

Over **430** improvement suggestions from the grassroots were collected throughout the year

The conversion rate reached **87**%

Frontline employees accounted for **68**% of the staff representatives

Female representatives accounted for **54**%

More than **10** technological innovation projects have been carried out

8 patents have been applied

In the past three years, the retention rate of core talents has remained stable at more than **95**%

Labor Union Structure of Jetion Solar (China) Co., Ltd.

The Party branch and the labor union has worked together to build corporate culture, and set up study room, reading corner, rest room and activity area, continuously optimizing the infrastructure, and creating a strong learning atmosphere.

Infrastructure Construction

Party Member Meeting Room

Labor Union Activity Room

Employee Activity Room

Employee Rest Room

Reading Corner

Reading Bar

Employee Care

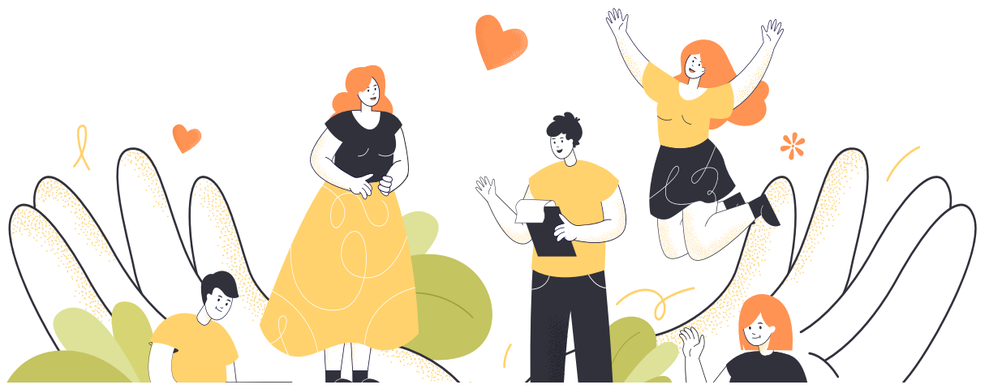
Jetion Solar upholds the “people-oriented” concept of sustainable development and builds a full-life cycle employee care system covering career development, physical and mental health, and quality of life. It always places the maintenance of employee’ vital interests and the improvement of welfare benefits in a prominent position, actively cares about employees’ demands, and provides comprehensive welfare guarantees for employees.

“Think what employees think and worry as employees worry.” In 2024, on the basis of complying with laws and regulations, the Company focused on promoting the balanced development of employees’ work and life and fully implemented various welfare measures: The Company leaders and the labor union closely paid attention to employees’ demands and practical difficulties. By consoling employees with difficult lives, those who were ill and hospitalized, and those whose families had major changes, it solved problems for employees to the greatest extent, so that employees could devote themselves to work with a peaceful mind; it actively responded to the government’s preferential policies for introducing college students and strived for housing subsidies; it also regularly conducted physical health examinations for all employees every year, and timely fed back the examination results to individuals, urging those with abnormal results to re-examine in time and receive treatment as early as possible.

Condolence Activities

The Company continuously deepens the construction of “Jetion Home” and truly cares for every employee. By carrying out activities such as delivering warmth in the Spring Festival and consoling on August 1st, and through forms such as material assistance and labor union visits, it solves the practical problems and difficulties faced by employees and provides careful help to employees in need.

In addition, the Company has always been uniting people with the “home-culture”: Elaborately preparing and distributing benefits to send full blessings during festivals; For employees who can’t go home during the Spring Festival, the Company provides a reunion dinner and New Year gifts, so that employees can also have a festive atmosphere in the Company; In the scorching summer, cooling supplies are sent to front-line employees to dispel the summer heat; On each employee’s birthday, sincere birthday wishes and cakes are given which makes them feel extremely warm and happy to be “Jetion People”. This multi-level and warm-hearted care system not only forms a benign ecology of “retaining people with career, retaining people with emotion, and retaining people with culture”, but also enables employees to release their potential while working happily and living comfortably, injecting core driving force into the high-quality development of the enterprise.



Case Receive Benefits Celebrate Mid-Autumn Festival Jetion Solar Conveys Beautiful Wishes

The moon is full and people are reunited. At this moment, missing lingers in the heart and blessings are conveyed. On this beautiful festival symbolizing reunion and harvest, the labor union of Jetion Solar (China) carried out a four-location linkage. It sent a series of festival benefits to the employees at the Jiangyin Headquarters, Jiangyin Optoelectronics Base, Tongcheng Base, and Haian Junfeng Base. This is to express gratitude and blessings for the hard work of each employee. It is also hoped that this good will can make everyone feel the warmth of home during the busy work.

All along, Jetion Solar has always firmly believed that employees are the most precious wealth of the enterprise. The hard work and outstanding contributions of every employee are the solid strength for the development of the enterprise. In the future, we will continue to uphold the “people-oriented” concept, pay attention to the development and growth of employees, create a harmonious, warm, and positive working environment, enhance the sense of belonging and cohesion of the team, and inject a continuous momentum into the healthy, stable and long-term development of the enterprise.

Case “Warmth in the Severe Heat” – Heat Relief Activities

On August 6, 2024, Jiangyin, Jiangsu, had been continuously on the list of extreme high-temperature areas recently. In this extremely hot season, on the production front-line of Jetion Solar, employees fought against the high temperature, ensured safety and production. Everyone contributed to the stable operation of the Company with hard sweat and practical perseverance. Ma Liyun, the Chairman of Jetion Solar, cared about the front-line employees. Together with a group of the Company’s senior management, visited and expressed condolences to the Jetion Solar (Jiangyin) High-efficiency Heterojunction Production Base, and extended high respect and sincere gratitude to the employees fighting on the front-line.

The Company required all departments to strictly implement the staggered working system, reduce outdoor operations during high-temperature periods so that avoid accidents such as heatstroke. At the same time, it called on all employees to enhance safety awareness and participate in hidden danger investigation together to ensure the safety of the production environment. In response to the continuous high-temperature, the Company had taken a number of measures, including providing sufficient heatstroke prevention and cooling materials, such as cool drinks, sun protection products, and first-aid medicines. This condolence activity further conveyed care and respect for employees and enhanced cohesion and combat effectiveness.

Supporting Employee Growth

Jetion Solar is committed to building a comprehensive training system and has established a three-level cultivation model, including training programs for new employees, continuous intensive training for senior employees, and elite education for management talents. The Company conducts various irregular business training sessions covering multiple fields such as technology, quality, and finance. Through systematic training and learning, it helps employees better participate in the Company's development. Meanwhile, the Company encourages employees to actively participate in various selection activities. Young employees have been awarded titles such as "Jiangyin Model Worker Vanguard", "Jiangyin May 4th Youth Model", and "Shengang Craftsman" for their contributions to building a "strong, affluent, beautiful, and high-quality" new Shengang. In addition, they were recognized as "Excellent Promoters of Activities' in the national building materials industry quality management work.

To help new employees smoothly adapt to and identify with the new working environment, the Company has taken a number of targeted measures: organizing face-to-face communication between managers and new employees, making follow-up arrangements and training based on each employee's situation to solve work-related difficulties; adopting a "mentor-apprentice pairing" approach, where each new employee is assigned a responsible senior employee with similar job responsibilities as their "mentor", who provides necessary assistance and guidance at any time.

Furthermore, to assist new employees quickly integrating into the enterprise and building a shared value, the Company launches specialized cultural integration training for new employees upon their onboarding. This training aims to help new employees quickly understand the core values of enterprise, adapt to the enterprise cultural atmosphere, and establish a sense of belonging and identity with the enterprise. Through activities such as enterprise culture lectures, team collaboration development, experience-sharing sessions by outstanding employees, interesting cultural knowledge competitions, and mentor-apprentice pairing assistance, the Company fully demonstrates its emphasis on employee cultural cultivation. These initiatives effectively promote in-depth integration between new employees and the enterprise, enhance team cohesion, and inject new momentum into the Company's continuous innovative development.

In 2024, the Company invested in training resources and developed characteristic courses such as sustainable procurement and carbon asset management. The average training hours per employee reached 16 hours, and the internal promotion rate for key positions reached 73%. By integrating online teaching resources from China National Building Material Group, the employee learning completion rate in 2024 reached 98%. A total of 476 technical innovation proposals were generated, with 8 converted into patent achievements. The Company has deepened industry-education integration, collaborated with multiple universities to custom-cultivate professionals in new energy materials, intelligent manufacturing, and other fields, and school-enterprise joint R&D projects have won industry awards. Through systematic cultivation, the Company's core talent retention rate has remained above 95% for three consecutive years, building a echelon of interdisciplinary talents for energy transition.

In 2024

The average training hours per employee reached **16** hours

A total of **476** technical innovation proposals were generated

with **8** converted into patent achievements

Employee learning completion rate **98** %

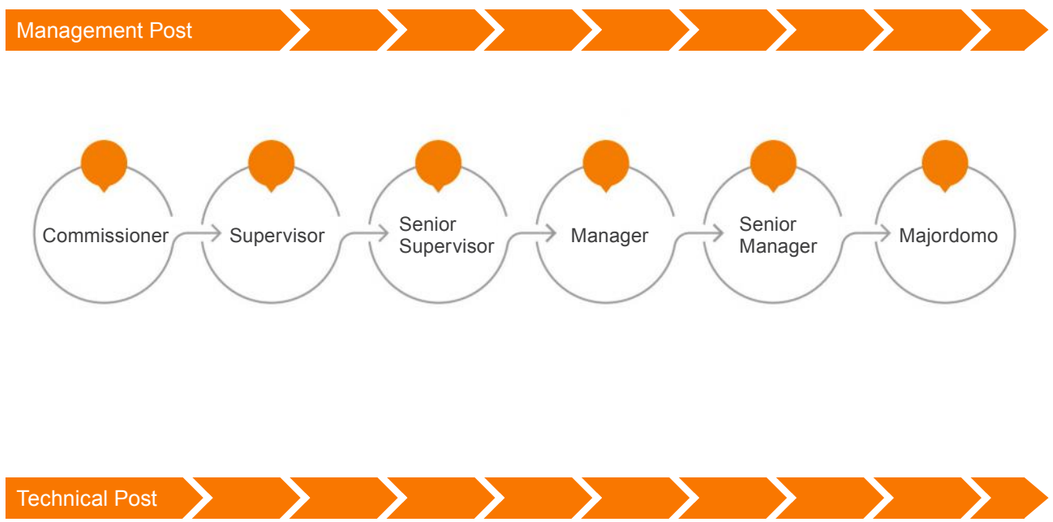
the internal promotion rate for key positions reached **73** %

Employee Training

HJT Solar Cell Training

The Company has formulated a strategy to build a learning organization, driving the improvement of all employees' professional value through a three-in-one training mechanism encompassing institutional guarantees, resource investment, and achievement transformation. In terms of career development channel construction, we implement a "dual-track promotion system" where the management and technical sequence run in parallel, and establish a 6-level rank standard from junior specialist to director level, thus cultivating employees' career advancement paths.

Talent Development Channel



Summary of Employee Training Data

Indicator	Unit	2024	2023	2022	2021
Total training investment	RMB 10,000	22.00	28.00	28.60	29.50
Number of employees receiving training	Person-time	667	1,025	1,195	1,351
Number of training sessions	Time	309	314	318	315
Total training hours	Hour	15,857	22,568	20,731	20,730
Average training hours per employee	Hour	24	22	17	15

Occupational Health and Safety

The Company adheres to the concept of “life first, intrinsic safety” and strictly complies with the requirements of laws and regulations such as the *Work Safety Law of the People’s Republic of China* and the *Law of the People’s Republic of China* on the Prevention and Control of Occupational Diseases. It has built a full-process occupational health and safety management system, obtained ISO14001 and ISO45001 certifications, and continuously optimized management efficiency. The Company has established a three-level prevention and control mechanism of “prevention-monitoring-intervention”. In 2024, it invested 18.5 million yuan in occupational health and safety management, carried out 21 specialized drills, and achieved a 100% certification rate for special operation personnel to work with certificates. In terms of health protection, it implemented annual physical examinations for all employees and annual occupational health examinations for special types of work, established health records and conducted early warning of occupational hazards. The coverage rate of occupational health examinations throughout the year reached 100%, and 0 occupational diseases occurred. The working environment is monitored in real time, and the hidden danger rectification rate increased to 99.6% in 2024.

With “system as the foundation, technology to strengthen safety, and full participation in co-governance” as the core, the Company has built a full-process occupational health and safety management system. In 2024, it comprehensively upgraded the three-level EHS system documents, added multiple specialized systems such as the *Management System for the Creation of “Zero Violation” Individuals and Organizations in Work Safety* and the *Management System for Related Parties and External Workers (Units)*, and achieved 100% coverage of risk control. Through the “dual-control prevention system”, 77 work scenarios with relatively high risks were dynamically identified (no major risks). Throughout the year, 572 hidden dangers were rectified in a closed-loop manner, with the average rectification cycle shortened to 3.2 days.

In terms of capacity building, the Company implemented the “Safety Literacy Improvement Project”. Throughout the year, it carried out three-level safety education for 3,827 person-times, specialized operation training and certification for more than 20 people (with a 100% certification rate), and 25 special training sessions such as AED defibrillator first-aid training and low-carbon energy-saving publicity and training. The annual retraining rate for personnel in key positions reached 100%.

In 2024

- it invested 18.5 million yuan in occupational health and safety management
- carried out 21 special drills
- achieved a 100% certification rate for special operation personnel to work with certificatesin occupational health and safety management
- The coverage rate of occupational health examinations throughout the year reached 100%
- the hidden danger rectification rate increased to 99.6%
- achieved 100% coverage of risk control
- Identify high-risk operational scenarios 77 term
- Throughout the year 572 hidden dangers were rectified in a closed-loop manner,
- with the average rectification cycle shortened to 3.2 days
- it carried out three-level safety education for 3872 person-times
- special operation training and certification for more than 20 people
- with a 100% certification rate
- Special training 25 Session
- The annual retraining rate for personnel in key positions reached 100%

Energy-saving publicity and training

Case

Care for Life "Rescue" is Around | Jetion Solar Conducts AED First-Aid Skills Training

On November 5, 2024, adhering to the safety concept of "everyone being capable of emergency response", the Company invited professionals to carry out a specialized training on the use of AED (Automated External Defibrillator) for employees at the Optoelectronics Base.

During the training, the lecturer demonstrated the operation methods of Cardiopulmonary Resuscitation (CPR) and Automated External Defibrillator (AED) using teaching aids and AED equipment, and clearly explained each step, from turning on the device, the position of electrode pads to how to judge the patient's heartbeat. After the demonstration, the participating employees also conducted practical operations under the instructor's guidance.

Ensuring safety and preventing risks is related to the life of every employee and the sustainable development of the enterprise, and it is also the bounden mission of the enterprise.

At the emergency management level, the Company has established contingency plans covering more than 10 types of scenarios (including fires, hazardous chemical leaks, etc.). In 2024, 21 practical drills were organized, among which the response time for employees' escape during fire evacuation was shortened to less than 4 minutes. Various simulated disposal operations integrate functions such as personnel positioning, environmental monitoring, and plan retrieval, increasing the efficiency of emergency disposal by 40%.

In 2024

- 21 practical drills were organized
- among which the response time for employees' escape during fire evacuation was shortened to less than 4 minutes
- increasing the efficiency of emergency disposal by 40%

Personnel Evacuation

Lifting Injury Drill

Through systematic construction, the Company has maintained 0 new cases of occupational diseases for three consecutive years, with both the severe injury rate per thousand people and liability accidents resulting in deaths being 0.

Case

Safety Month: “Everyone Focuses on Safety, Everyone is Capable of Emergency Response” Fire Emergency Drill

On June 28, 2024, the Company carried out a fire emergency drill with the theme of “Everyone Focuses on Safety, Everyone is Capable of Emergency Response——Unblocking the Life-Saving Channel”. All employees participated in this drill, the emergency command group rushed to deal with the emergency in a proper way and commanded in an orderly manner. All employees quickly evacuated in an orderly manner along the specified evacuation route, achieving the effect of a practical-based drill.


Fire Emergency Drill

On the morning of November 13, 2024, Tongcheng Company organized a full-staff fire evacuation drill led by the temporary fire drill command team. The objectives of this drill were:1、To enhance employees’ fire safety awareness and master emergency fire escape skills. 2、To test the feasibility and operability of the Company’s fire emergency response plan. 3、To familiarize employees with the use of fire-fighting facilities and improve their ability to extinguish incipient fires.

Jetion Solar has established fire emergency drills as a routine practice to reinforce safety baselines. Through full-staff, year-round practical drills, the Company has transformed the “life-saving channel” from a textual regulation into muscle memory. During the June and November drills, employees quickly identified evacuation signs and properly used fire-fighting equipment in simulated smoke conditions. The command team dynamically adjusted the emergency response plan, achieving a 98% accuracy rate in handling initial fire incidents. These activities not only ingrained actions like “grabbing fire extinguishers, covering mouths with wet towels, and evacuating in a crouched position” as instinctive reactions but also prompted the Company to optimize emergency exit layouts and install additional smart smoke detectors. This approach of using drills to promote prevention is a tangible demonstration of the “people-centered” concept. It extends workplace safety from production workshops to the supply chain ecosystem, injecting visible security into sustainable development.

Fire Emergency Drill

“Work Safety Month” Activities

In order to actively respond to the theme spirit of the national “Work Safety Month” in 2024, which is “Everyone Focuses on Safety, Everyone is Capable of Emergency Response——Unblocking the Life-Saving Channel”, implement the requirements of the “Work Safety Month” activities of China National Building Material Group in 2024, enhance the work safety awareness and literacy of the Company’s grassroots employees, strengthen the Company’s work safety management, and ensure the its safe development, the Company publicized the activity plan of the 2024 Work Safety Month and promoted the activity through electronic display screens, promotional banners, and the kick-off meeting of the safety month, fully mobilizing the safety enthusiasm of employees.

Each department of the Company organized its employees to watch the safety feature films *Life-Saving Channel* and *Life is of Paramount Importance* through pre-shift and post-shift meetings, department and team safety meetings, and safety training. The Company continued to promote the important expositions of General Secretary Xi Jinping on work safety, effectively transformed the learning achievements into practical results of promoting safe development, and deeply implanted safety awareness into the hearts through safety micro-films.

By organizing all employees to participate in the learning of hazardous chemicals safety knowledge, the Jetion Solar Safety and Environmental Protection Knowledge Competition (online) and offline safety knowledge competition activities, the Company improved employees’ safety knowledge and awareness, created a good activity atmosphere where everyone learns safety, and enabled employees to keep safety in mind during work.

Safety Knowledge Competition


The Company organized employees to participate in fire-fighting competitions and full-staff fire escape and evacuation drills, aiming to help employees establish the awareness of safe escape at the first time, master escape and evacuation methods, and improve their self-rescue and mutual rescue capabilities. Through the fire-fighting competitions, employees from all departments have been able to master fire-extinguishing skills, minimizing the losses caused by fire disasters.

Along with the full-scale implementation of various safety inspection work during the 2024 “Work Safety Month”, the Company simultaneously carried out hidden danger self-inspection and rectification as well as comprehensive cross-inspection activities for the Safety Month. Among them, the Tongcheng Base focused on conducting a major safety and hygiene inspection of dormitories. By comprehensively checking key links such as fire-fighting facilities, electrical safety, and environmental hygiene, potential hidden dangers were rectified in a timely manner, effectively consolidating the safety defense line for accommodation and creating a safe and clean living environment for employees.

Work Safety Month


Specialized-knowledge Publicity for Work Safety Month

According to the arrangement of the group's Work Safety Month, the Company has carried out activities such as solicitation of articles for Safety Month themes, selecting the "Most Beautiful Safety-conscious Person", and commending safety-management vanguards. These activities aim to comprehensively build a first-class safety management team, establish and publicize a group of safety management teams with demonstration effects, create a sound atmosphere of mutual learning and competition among the enterprise safety management teams, and encourage the enterprise to strive to become a vanguard team in safety management.

In addition, the Company has actively organized employees to participate in comprehensive safety knowledge training, including accident case training, construction safety training, occupational health and safety training, electrical safety training, and special forklift safety training, etc., so as to comprehensively enhance employees' safety awareness and their ability to deal with emergencies.

To further strengthen employees' emphasis on safety, the Company has carefully planned and organized online and offline safety knowledge competitions and safety commitment activities.

Safety Knowledge Training




During the Work Safety Month, the Company organized comprehensive hidden danger investigation and management activities. By linking hidden danger investigation with hierarchical safety risk control, it carried out full-scale safety hidden danger inspections across the entire factory area, with a focus on potential safety hazards within various departments. Through active participation and reporting of employees, existing safety hazards were promptly identified and rectified, ensuring the safety and stability of the production environment. For issues that could not be rectified immediately, the Company formulated detailed hidden danger investigation and management plans, and assigned special responsible persons to track and take charge of them. In addition, the Company conducted specialized inspections on chemicals, special equipment, combustible gases, fire-fighting equipment, and other items.

Hidden Danger Inspection

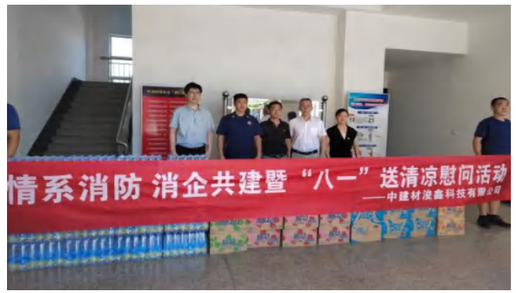

Hidden Danger Inspection

“Work Safety Month” activities in 2024 have received strong support from the Company’s leadership and all employees. Centering on the theme of “Everyone Focuses on Safety, Everyone is Capable of Emergency Response——Unblocking the Life-Saving Channel”, various workshops and departments have earnestly carried out multiple safety production publicity and education activities as well as safety culture building initiatives. These efforts have enhanced employees’ safety awareness and their ability to prevent and handle accidents, strengthened the safety culture building at the grassroots team level, and further consolidated the basic safety management work, providing a solid guarantee for the continuous and stable operation of the enterprise safety production.

Passion for Social Welfare

Active participation in public welfare course and fulfillment of social responsibilities help the enterprise establish a positive public image. The Company has always been actively involved in various social welfare activities, including expressing condolences to and supporting fire brigades. It deeply understands that firefighters have made tremendous efforts and sacrifices in safeguarding social security and people’s lives and property. To show gratitude to these heroic individuals, the Company regularly organizes activities to visit and console firefighters, extending high respect for their hard work.

Condolences to Firefighters



For many years, the Company has been committed to actively participating in various social welfare projects, including activities in environmental protection, education, health and other fields, such as Arbor Day activities, charity donation campaigns, and donation services to Nanjing University of Science and Technology. We firmly believe that the responsibility of an enterprise is not only to strive for its own economic interests, but also to actively give back to society and contribute to building a harmonious and sustainable society. By continuously deepening its participation in social welfare, the Company will continue to fulfill its enterprise social responsibility and contribute to the development of society.

Donation to Nanjing University of Science and Technology

Case

Community Collaboration: A New Path for Sustainable Energy

In May 2024, the County-wide Distributed Photovoltaic Power Generation Project in Binhai County, Yancheng City, undertaken by CNBM New Energy Engineering Co., Ltd, a subsidiary of Jetion Solar for a package of works including construction, commissioning and operation, was successfullyconnected to the grid. The total installed capacity is 30MW, with an actual installed capacity of 20MW for Phase II.

The project aligns with the Binhai County Party Committee and Government’s initiative to “promote green energy growth, enhance renewable energy utilization, and build a beautiful Binhai”. By leveraging rooftops of schools, factories, public buildings, and residential homes, it has become the largest distributed photovoltaic (DPV) project in Binhai County . Through these efforts, the project not only boosts local renewable energy utilization rate and reduces carbon emissions but also contributes to ecological environment and regional sustainable development.

Case

Arbor Day Activity: Volunteer with “Green Hearts”, Act to Protect Greenery

As spring returns to the earth and all things revive, we once again embrace the nature. Every year at this time, people plant saplings to show their determination to support green environmental protection and care for nature. “Plant trees for future generations to enjoy the shade” is no longer just a slogan, Jetion Solar organizes various employees to participate in tree-planting activities, sowing hope and harvest with their own hands.

Jetion Solar has deeply integrated tree-planting activities into its ESG practices. By organizing employees to participate in Arbor Day initiatives, it promotes the implementation of green responsibilities under the concept of “photovoltaics + ecology”. The activity focuses on saline-alkali land ecological restoration: in collaboration with professional teams, it selects salt-tolerant tree species, innovates soil improvement technologies based on the terrain of photovoltaic power stations, and while improving tree survival rates, builds ecological protection barriers. Through mechanisms such as sapling adoption and community co-construction, it inspires environmental participation among employees and surrounding residents, making every tree a green link connecting corporate responsibility with community well-being. In the future, plans are to replicate this experience in more photovoltaic bases, achieving synergistic development between clean energy production and ecological protection, and interpreting the long-term value of “green investment”.

Sow a patch of green to make the world more beautiful, cherish thousands of trees to walk together.

Green Energy with Jetion Solar
Lucid Waters Flow with Prosperity

04

2024 Key Performance

No illegal transfer or irregular disposal of hazardous waste occurred throughout the year

Number of environmental pollution accidents:
0

Qualification rate of waste gas, wastewater and solid waste emissions:
100%

Standardized treatment rate of hazardous waste:
100%

Responded to the United Nations Sustainable Development Goals

Actions

- Environmental Management
- Energy Conservation and Consumption Reduction
- Water Conservation
- Pollution Prevention and Control

Environmental Management

With “Green Intelligent Manufacturing, Ecological Win-Win” as its core, the Company has built a full-chain environmental management system covering strategic planning, institutional guarantee, and technological innovation. It always places environmental management in an important position, taking promoting green, low-carbon, and sustainable development as its core mission, and strictly follows the policy of “Environmental Protection First, Prevention as the Main Approach, Comprehensive Treatment” to carry out environmental-friendly production management.

To strengthen environmental management work, the Company has established an Environmental Protection Management Committee, which holds meetings at least once a quarter. At the meetings, the environmental protection work reports of relevant departments are heard, major issues in environmental protection management are coordinated, and detailed meeting minutes are formed; in case of emergencies or major events, temporary meetings can be convened at any time with the approval of the director to quickly study and make decisions on urgent and major environmental protection issues. In 2024, the Company invested 18.5 million yuan in environmental protection, strongly supporting the implementation of various environmental protection measures.

In 2024

the Company invested **18.5** million yuan in environmental protection

The Company strictly abides by a series of national and local environmental protection policies and regulations such as the *Civil Code of the People’s Republic of China* and the *Environmental Protection Law of the People’s Republic of China*. Upholding the environmental protection policy of “Emphasize Energy Conservation and Environmental Protection, Prevent Environmental Pollution, Optimize Energy-using Structure, Implement Emission Reduction and Consumption Reduction”, it has formulated the *Management System for Work Safety Responsibility System*, clearly defining the environmental protection management positions and the responsibilities of each department in environmental protection management work, and further consolidating the main responsibility of the enterprise for environmental protection. The Company is committed to achieving the environmental management goals of “0 environmental pollution accidents, 100% qualification rate of three-waste (waste gas, wastewater, solid waste) emissions, and 100% standardized treatment of hazardous waste”, ensuring the smooth and orderly progress of the Company’s environmental protection work.

Since the Company first passed the environmental management system certification in 2011, it has adhered to annual re-evaluation and renewal evaluation every three years, continuously maintaining the effectiveness and advancement of the environmental management system. In the future, the Company will deepen cooperation with international initiatives such as SBTi, explore hydrofluoric acid recycling and N-type module recycling technologies, and continue to lead the low-carbon transformation of the photovoltaic industry.

The Company actively promotes the concept of clean production. By adopting advanced production technologies and equipment, it reduces energy consumption and waste emissions in the production process, improves resource utilization efficiency, and maximizes solid waste reduction and energy utilization. Tongcheng Company obtained the ISO 50001 Energy Management System Certification Certificate for the 2023-2024 period.

In addition, to actively respond to the Company’s environmental protection concept, the Company specially carries out environmental protection training for all employees. EHS is responsible for collecting employees’ needs for environmental training and formulating the annual work plan for environmental protection education and training; personnel from the Power and Wastewater Station are responsible for cooperating with EHS to implement the environmental protection education and training work.

The environmental protection education and training forms of the Company mainly include

- internal environmental protection education and training
- sending for special environmental protection education and training
- centralized environmental protection training organized by China National Building Material Group

Energy Conservation and Consumption Reduction

The Company deeply practices the concept of green and low-carbon development and actively responds to the national “dual-carbon” strategy call. Through multi-dimensional measures such as energy structure optimization, process technology upgrading, equipment and facility transformation, and transportation system innovation, it comprehensively promotes the low-carbon transformation of the entire production and operation process.

The Company strictly follows laws and regulations such as the *Energy Conservation Law of the People’s Republic of China* and establishes an energy management system covering the entire business chain. Tongcheng has passed the ISO 50001 energy management system certification, built a three-level energy management network, decomposed energy conservation targets to production units, and formed a refined management structure of “headquarters overall planning-base implementation-production line execution”. By improving the energy metering management system and supporting procedures, it ensures the accurate collection and dynamic analysis of energy consumption data, provides a scientific basis for energy conservation and consumption reduction decisions, continuously improves energy utilization efficiency, and boosts the green, low-carbon, and high-quality development of the industry.

In addition, to improve the energy performance of Tongcheng Company and ensure the effective utilization of energy, a series of energy conservation management and improvement measures have been formulated:

Set energy performance assessment targets

The Company has formulated energy performance assessment indicators for key energy-consuming equipment to monitor and manage various links of the enterprise in a scientific and reasonable manner. Through automation, information technology, and intensive management, it realizes centralized monitoring of energy production, transmission, distribution, use, and improves management efficiency.

Establish a responsibility system for energy conservation targets

The Company has established and strengthened a responsibility system for energy conservation targets, decomposed energy conservation targets and tasks at all levels, and implemented them to specific workshops, teams, and positions. At the same time, the completion of energy conservation targets is included in the employee performance assessment scope, and assessed level by level, so as to promote the implementation of energy conservation work through incentives and rewards.

conservation management and improvement measures

Effectively operate the energy management system

In accordance with the standards of the *Requirements and Usage Guidelines for Energy Management Systems*, the Company gradually forms a management system that consciously implements energy conservation laws, regulations, and policy standards. By proactively adopting advanced energy conservation management methods and technologies and implementing the whole-process energy utilization management, which accelerates the promotion of energy management system certification work.

Actively carry out energy conservation publicity and training

The Company regularly carries out energy conservation publicity and training for groups such as energy metering, statistics, management, and equipment operators, so as to improve employees’ awareness and skills regarding energy conservation work.

Enterprise Energy-Saving Improvement Measures

Process Energy-Saving Projects

- The process energy-saving project at the Junfeng Base achieves reduced consumption and increased efficiency through technology upgrading and intelligent control, boasting both economic and environmental value.
- Take the Junfeng Base as an example:

The automatic slicing process is equipped with an advanced PLC system, which improves the cutting precision of cell slices. The qualification rate is increased to **99.8**%, the cost per watt of the cell is reduced by **5**%, and the module power is increased by **2**%, significantly enhancing product competitiveness.

The vision-guided welding system uses image coordinate conversion and robot path planning to improve the stability of welding points by **30**% and the welding efficiency by **40**%. The daily production capacity of a single line breaks to the designed maximum production capacity.

The intelligent temperature control of the laminating machine adopts the dynamic switching of double-group electric heating tubes. After reaching the set temperature, the redundant heat source is automatically turned off, and the energy consumption is reduced by **25**%.

The frequency conversion transformation of the air compressor dynamically adjusts the load-matching demand, saving more than **125,252** yuan in electricity costs annually, and reducing the unloading energy consumption loss by **60**%.

These process optimizations not only directly reduce production costs and improve yield and energy efficiency, but also promote green manufacturing by reducing carbon emissions (saving about **150,000** kWh of electricity annually, corresponding to a reduction of **12** tons of CO_2 emissions), forming a closed-loop for low-carbon transformation and building sustainable competitiveness for the enterprise.

Energy-Saving Projects in the Factory Area

- From August 1st to November 27th, the printers at the Junfeng Base printed a total of 80,979 sheets, including 72,203 black-and-white sheets and 8,778 color sheets. The average monthly printing quantity was 20,245 sheets, a decrease of **33.8**% per month (for black-and-white) and **64**% (for colored) compared with that in the first half of the year. The monthly printing cost decreased by **369.29** yuan (for black-and-white) and **1,282.71** yuan per month, with a total monthly decrease of **1,652** yuan. As of November 27th, the cumulative decrease reached **6,608** yuan.
- The flushing of the dormitory toilets was changed from 24-hour to intelligent flushing. The corridor lights were changed from 24-hour to voice-controlled lighting. The streetlights in the factory area were changed to be turned on at intervals to reduce power consumption.

Summary of Energy Consumption Performance

Indicator		Unit	2024	2023	2022	2021
Direct Energy (Scope 1)	Natural Gas	Cubic Meter	21,044	562,600	615,880	616,987
Indirect Energy (Scope 2)	Purchased Electricity	Kilowatt -hour	102584103	56697695	75924415	96624389
	Photovoltaic Power Generation	Kilowatt -hour	2，395，766	1,109,403	1,528,330	1,505,116

Comprehensive Energy Consumption	Unit	2024
Total Comprehensive Energy Consumption	Ton of Standard Coal	36,958.37
Comprehensive Energy Consumption per Million Revenue	Ton of Standard Coal/ Million Revenue	9.41

Greenhouse Gas Emission Data Table

Indicator	Unit	2024	2023	2022
Total GHGs Emissions	tCO_2e	63,957.94	32，658	43，467
Direct GHGs Emissions (Scope 1)	tCO_2e	45.46	1089	1192
Indirect GHGs Emissions (Scope 2)	tCO_2e	63912.48	31，569	42，275

Case Modular Energy-Saving of Optoelectronic IT Machine Room: Precise Cooling, Energy Consumption Plummeted

Traditional machine rooms rely on centralized air-conditioning for cooling. The complex air ducts and layout lead to serious loss in the transmission of cooling capacity. It is difficult to precisely match the heat dissipation demands of equipment in each area, and the uneven cooling and heating phenomenon occurs frequently. To maintain the overall temperature up to standard, the air-conditioners can only operate at a high load continuously, resulting in a great waste of energy.

Now, the optoelectronic modular computer room introduces row-level air-conditioners, and the cooling units are closely attached to the cabinets. It can precisely adjust the air supply volume and temperature according to the real-time heat dissipation status of each cabinet, truly achieving “point-to-point” cooling. Take the machine room of the optoelectronic factory as an example, before the renovation, the cooling system of the same scale traditional machine room consumed up to 15,000 KWH per month. After being renovated into a modular computer room, the monthly power consumption of the cooling system was reduced to 3,000 KWH. The power supply systems of traditional machine rooms generally have problems such as low conversion efficiency and unreasonable redundant configuration, and there is a large loss of electric energy during the conversion and transmission process. The advanced modular power supply adopted in the modular machine room has a power factor of more than 0.99 and a conversion efficiency of about 96%, far exceeding the traditional power supply system. Through actual measurement, this precise cooling mode has increased the cooling efficiency by 30% - 40%, greatly reducing the operating cost.

Take the machine room of a photoelectric factory as an example

Before the renovation

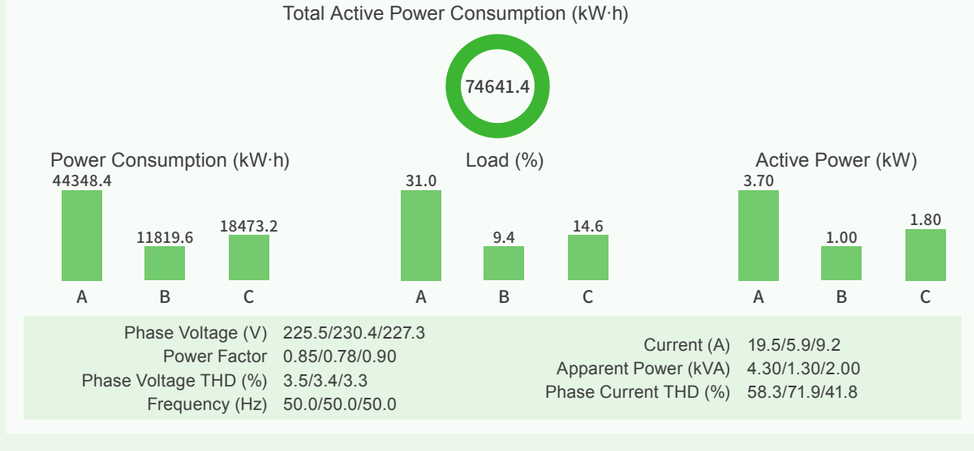
the cooling system of the same scale traditional machine room consumed up to

15000 KWH per month

After the renovation

the monthly power consumption of the cooling system was reduced to

3000 *KWH*



Case

Construction of the First-Phase Photovoltaic Power Station of Optoelectronics: Realization of Sustainable Energy and Green Development

In June 2024, CNBM New Energy Engineering Co., Ltd., a subsidiary of Jetion Solar, successfully completed the grid-connection of the first-phase project of the 1.56MW rooftop photovoltaic power station of CNBM Optoelectronics. The project took only 48 days from development to completion, and the cumulative power generation exceeded one million kWh within half a year.

Jetion Solar (Jiangyin) Photoelectronic Material Technology Co., Ltd. is the high-efficiency heterojunction cell production base of Jetion Solar. A rooftop power station was planned at the beginning of the factory building construction, and solar modules with a total area of more than 10,000 square meters were laid, all using the high-efficiency heterojunction modules independently developed by the Company. The project can provide about 1.7 million kWh of clean electricity annually, save more than 1.2 million yuan in electricity spending, which is equivalent to saving 680 tons of standard coal and reducing greenhouse gas emissions by 1,694.9 tons, equivalent to planting 91,800 trees.

Through the mode of “self-generation and self-use, surplus electricity connected to the grid”, the power station can directly supply power to the heterojunction cell production line, realizing the efficient coordination between energy supply and production demand. This innovative mode of “feeding production with green electricity” not only significantly reduces the operating costs of the enterprise, but also lays a solid foundation for moving towards a zero-carbon factory.

The project can provide about **1.7** million KWH of clean electricity per year

It saves more than **1.2** million yuan in electricity fees

It is equivalent to saving **680** tons of standard coal

It reduces greenhouse gas emissions by **1694.9** tons

This is equivalent to planting **9.18** million trees

Case

Zhenshi Rooftop Photovoltaic Power Generation Project

In December 2024, the 9.68MW distributed photovoltaic project on the rooftops of the Zhejiang Zhenshi New Materials Co., Ltd. park was officially connected to the grid for power generation. The project was provided with full-process services, including design, construction management, handling of power supply formalities, acceptance, after-sales operation and maintenance by CNBM New Energy Engineering Co., Ltd. A distributed photovoltaic power station paved with glass fiber heterojunction modules was installed on the rooftops of the park, creating a model of two-way empowerment of “photovoltaic + new material manufacturing” and using green electricity to support the manufacturing of green products.

It is estimated that the average annual power generation of this project can reach about 11.63 million kWh, which is equivalent to reducing carbon emissions by about 11,590.5 tons and saving about 4,650 tons of standard coal consumption. As a provider of high-efficiency heterojunction photovoltaic products and clean energy solutions, Jetion Solar has cooperated with Zhenshi to launch high-performance glass fiber frame heterojunction photovoltaic modules, jointly creating a more robust, efficient, and competitive industrial chain and supply chain, and contributing to the healthy and sustainable development of the industry.

The project is expected to generate about **11.63** million kWh of electricity annually

It is equivalent to reducing carbon emissions by about **11590.5** tons

It saves about **4650** tons of standard coal consumption

Water Conservation

The continuous intensification of water resource pressure is a common global challenge. The photovoltaic industry also requires a large amount of water resources in the production process to meet the needs of production, equipment cooling, etc. To address water resource pressure and enhance sustainable water-using capacity, we attach great importance to the management and protection of water resources. We strictly comply with relevant laws such as the *Water Law of the People's Republic of China* and regulate water resource management, wastewater discharge and treatment in internal management documents such as the *Energy and Resource Management Measures* and the *Wastewater and Waste Gas Management Regulations*. At the same time, each base incorporates water-using targets into environmental management requirements, promotes refined water-using management, assesses water-using pressure and risks, and continuously reduces the total water consumption and water-using intensity to achieve scientific and sustainable water use. The Company's ESG Sustainable Development Management Committee is responsible for ESG performance management, including multiple ESG projects. Among them, water resource management is managed and supervised for implementation by the senior management.

Water resource management is crucial for the sustainable development of the enterprise. The rational and efficient use of water resources helps reduce operating costs, prevent water resource risks, and ensure the long-term and stable development of the enterprise. The Company is deeply aware of the importance of sustainable water intake and use. Over the years, it has rolling-formulated targets for reducing the water consumption intensity of products and adopted multiple measures to achieve a stable decline in the water consumption intensity of products for many years.

Junfeng Base Cooling Tower Renovation Project; the current power ice machine at the Base operates continuously for 24 hours a day to provide cooling water for the vacuum pump, with a daily energy consumption cost of about 750 yuan. An additional external cooling tower is added, when the environment temperature is lower than 20 degrees Celsius, the cooling tower is activated for heat dissipation and refrigeration to reduce the energy consumption of the ice machine; 64,451 tons of water is saved annually.

Junfeng Base Cooling Tower Renovation Project

with a daily energy consumption cost of about
750 yuan

64,451
tons of water is saved annually

Case Process Water-Saving at the Optoelectronic Cell Base: Realization of Sustainable Energy and Green Development

Through process optimization, new additive materials are introduced to enhance the cleaning ability of the silicon wafer surface and improve the micro-structure of the silicon wafer surface. This further enhances light management and reduces water consumption.

Equipment Water Reduction (CVD-Scrubber)

- The heat-consuming water process, after the production efficiency is stabilized
- The overall flow rate is reduced from 110L/Min to 90L/Min
- The actual water-saving benefit after the reduction is 263 tons/ MW

Before water consumption reduction	After water consumption reduction
the average daily water consumption reached 876 tons	the average daily water consumption dropped to 580 tons

Texturing Water Reduction Plan

Slot Number	Actual Overflow of Each Slot in Texturing Line 2		Water Reduction Plan	
OF1	20	Continuous	20	Continuous
OF2	20	With Basket	20	With Basket
OF3	24	With Basket	20	With Basket
OF4	40	Continuous	30	Continuous
OF5	20	With Basket	20	With Basket
OF6	20	With Basket	20	With Basket
OF7	20	With Basket	20	With Basket
OF8	25	With Basket	20	With Basket
OF9	45	Continuous	30	Continuous
Slow Lift	43	Continuous	30	Continuous
Slot No.	Make-up (L/batch)	Method	Make-up (L/batch)	Method
All Functional Slots (15 in total)	20	Fixed Make-up	20	Fixed Make-up
Notes	All functional slots are to have a 20L make-up per batch by default			

Water Consumption Reduction Plan (t/day)

Pre-cleaning + Texturing	Before Reduction	After Reduction	GAP	Notes
	545	482	-63	
CVD-Scrubber	Before Reduction	After Reduction		Scrubber flow rate changed from 110 to 90L/Min
	160	130	-30	
Total	705	612	-93	

Notes: The total water consumption after reduction is 263t/MW.

Such performance is precisely the integration of the water-saving concept into the "capillaries (subtle but important)" of cell production. Through process optimization, each drop of water creates dual values. In the texturing process, the cleaning process is precisely regulated, just like installing an "intelligent water meter" for the production line. The flow rate of the key equipment CVD-Scrubber is reduced from 110 liters per minute to 90 liters, which is equivalent to precisely tightening the continuously flowing "water tap". After the transformation, the daily water consumption has plummeted from 876 tons to 580 tons, which is equivalent to consuming12 households' full-day water consumption less per hour. The annual water saving can exceed 100,000 tons. If calculated by standard swimming pools, it is equivalent to saving the water storage capacity of 50 swimming pools. This "micro-transformation" not only directly reduces production costs, but also reduces the energy consumption for wastewater treatment by about 18,000 kWh, adding actual achievements to the carbon reduction throughout the entire life cycle of photovoltaic products. When water saving changes from a slogan to the beating data on the production line, Jetion Solar is writing a quantifiable footnote for green manufacturing with the practice of "every drop of water is a commitment".

Case Reuse of Pure and Ultrafiltration Concentrated Water from Optoelectronic in Cooling Tower

Project Name: Reuse of Pure and Ultrafiltration Concentrated Water from Optoelectronic in Cooling Tower (Energy Conservation and Consumption Reduction Category)

Project Content Introduction: The UF equipment in the pure water treatment system will generate a part of concentrated water during operation. It was originally designed to be directly discharged. Now, this part of concentrated water is centrally recycled to supply make-up water for the rooftop cooling water tower. On one hand, it reduces the consumption of tap water; on the other hand, it can also save the cost of wastewater discharge.

Actual Project Benefits 322,000 yuan

Project Payback Period about 0.01 year

2024 Recycled Water Consumption 33,895 tons/year

Project Name: Reuse of RO Flushing Wastewater from Optoelectronic in Cooling Tower

Project Content Introduction: The RO membrane will be flushed for 60 seconds before each start-up and after each shutdown of the RO system. The pre-flushing water is mainly the stagnant water in the pipelines and membranes with a conductivity of about 20 us/cm, and the post-flushing water mainly contains a small amount of residual agents such as scale inhibitors. Currently, these two parts of water are discharged into the gutter and finally into the wastewater treatment station. Assessthe introduction of this part of water into the raw water tank or into the cooling tower and exhaust system, so as to achieve the purpose of reducing water consumption and wastewater discharge.

Project Benefits 220,000 yuan/year

2024 Recycled Water Consumption 13,105 tons/year

Jetion Solar integrates the concept of “Every Drop of Water is a Resource” into production details, and realizes great benefits of resource circulation through “micro-transformation” of the pure water treatment system. In 2024, the factory turned “neglected water sources” such as ultrafiltration concentrated water and RO flushing wastewater into treasures. The former, became the “thirst-quenching nectar” for the cooling tower after being recycled, saving 33,895 tons of water throughout the year, which is equivalent to the annual water consumption of 300 families; the latter, turned 13,105 tons of wastewater into a “coolant” for equipment cooling through graded reuse technology. With a cost of less than 10,000 yuan, these two transformations leveraged an annual comprehensive benefit of over 320,000 yuan, and the investment payback period was almost “instant effect”. Moreover, they reduced the energy consumption for wastewater treatment by about 12,000 kWh, which is equivalent to reducing carbon emissions by 6.5 tons for the earth. This practice of “small incision, large circulation” not only makes green wisdom flow in the workshop pipelines, but also provides a replicable water-saving model for the manufacturing industry to explore “zero-waste factories”.

The Company encourages every employee to actively carry out water-saving actions in daily work and life, strengthens the promotion of water-saving concept awareness, and improves employees’ water-saving awareness.

Summary of Water Resource Performance Data

Indicator	Unit	2024	2023	2022	2021
Total Water Consumption	Ton	1,004,914	556,500	745,676	590,009
Tap Water	Ton	1,004,914	556,500	745,676	590,009
Water Consumption per Unit Output	Ton of Water /Ten Thousand Yuan	1.25	1.048	0.706	0.772
Total Sewage Discharge	Ton	714,177	402,613	572,335	605,943

Pollution Prevention and Control

Wastewater and Waste Gas Management

In the field of wastewater and waste gas treatment, the Company has established a closed-loop management system covering the entire process of preventive control and emergency management. With legal compliance as the bottom line and technical prevention and control as the core, it systematically reduces environmental risks. The Company strictly complies with the requirements of laws and regulations such as the *Water Pollution Prevention and Control Law of the People’s Republic of China* and the *Air Pollution Prevention and Control Law of the People’s Republic of China*. Through the *Regulations on the Management of Wastewater and Waste Gas Discharge*, a standardized operation framework is established. Specialized treatment facilities are constructed in support, and a three-level operation and maintenance mechanism is implemented: daily maintenance ensures the stable operation of equipment, the intelligent monitoring platform tracks emission data in real-time, and annual third-party testing strictly verifies compliance with emission standards. In response to sudden equipment failures, an interlocking response mechanism for production and environmental protection is carried out. After a failure alarm is triggered, the emergency plan is immediately activated and the production suspension procedure is linked, blocking the pollution diffusion path from the source and realizing the forward movement of the risk prevention and control gateway.

Wastewater Treatment Process

Domestic wastewater from restrooms and canteens	After being treated by the septic tank, it must be discharged into the special sewage pipeline of the town. Do not discharge into the rainwater pipeline
Acid-base wastewater and fluorine-containing wastewater from the cell workshop	All acid-base wastewater and fluorine-containing wastewater are guided to the Company’s sewage treatment station for professional treatment. Only after being treated to the third-level standard can they be discharged to the urban sewage treatment plant

The Company continuously deepens its digital governance capabilities. It dynamically monitors the operating parameters and emission concentrations of wastewater and waste gas treatment facilities through Internet of Things (IoT) technology, constructs an electronic map of pollution sources and a data dashboard, and realizes the visual tracking of emission intensity. An emission performance assessment model is established based on monitoring data, and regular equipment energy efficiency diagnosis and process optimization are carried out, promoting the extension of end treatment to source emission reduction. This collaborative management model of "hard constraints + soft empowerment" not only ensures that 100% of pollutants are discharged up to standard, but also forms a dual-improvement mechanism for environmental benefits and operational efficiency through technological iteration, providing sustainable guarantees for green production.

Waste Gas Treatment Process

Soot from the welding process in the module workshop and organic waste gas from the lamination process

Low concentration, slight hazard, meeting the requirements of environmental protection regulations, can be directly discharged at high altitude

Hydrofluoric acid, hydrochloric acid, nitric acid, sulfuric acid, hydrogen, and nitrogen dioxide waste gases volatilized from the texturing, back-etching, and diffusion processes in the cell workshop

Led by a fan to the waste gas scrubbing tower, treated by alkaline washing, and then discharged through a 25m exhaust stack

Organic waste gas from the screen-printing process

After being adsorbed by activated carbon, discharged through a 15m exhaust stack

Silane, ammonia, and hydrogen waste gases from the mold-making process

First, it is burned in the combustion tower, then treated by the ammonia absorption tower, and discharged through a 25m exhaust stack. The Equipment Management Department is responsible for regularly maintaining the exhaust pipes and equipment to ensure their normal operation.

Waste Management

In the field of waste management, the Company follows the principles of "compliance-based control, hierarchical governance, and risk guarantee" and has established a standardized management system covering all types and the entire process of waste. Strictly adhering to the requirements of the *Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Wastes*, a hierarchical control framework is formed through systems such as the *Regulations on the Management of Hazardous Wastes*: For general wastes, standardized classified collection and storage are implemented; for hazardous wastes, a three-level closed-loop mechanism of "departmental transfer-centralized temporary storage-disposal by qualified entities" is established. By setting up a general storage point for hazardous wastes and implementing the "Hazardous Waste Handover Record Form" system, the whole-life cycle traceability of hazardous wastes such as waste mineral oil and waste organic solvents is achieved. Meanwhile, measures to prevent scattering during transportation are strengthened to eliminate the risk of secondary pollution from the source. In addition, a firewall for the access of hazardous waste contractors is established, and disposal qualifications and administrative license documents are strictly reviewed to ensure that the final disposal is legal and compliant.

The Company further strengthens the resilience of hazardous waste management and incorporates emergency response into the normalized control system. Relying on the *Emergency Plan for Accidents Involving Hazardous Wastes*, a mechanism of "monitoring and early warning-rapid response-linked disposal" is established. Through regular risk assessment of hazardous waste storage and facility inspections, potential leakage hazards are identified in advance. The Company has established a dynamic management mechanism of "access - assessment - exit" for hazardous waste disposal, and regularly conducts compliance audits and emergency drills. In 2024, the renewal of hazardous waste disposal agreements and qualification verification were completed to ensure that all disposal activities meet national and local standards. By strengthening system implementation and process control, no illegal transfer or irregular disposal of hazardous wastes occurred throughout the year, and the comprehensive utilization rate of general industrial solid wastes remained at the leading level in the industry. A compliance management model covering the whole-life cycle of wastes has been formed, providing institutional guarantees for the development of the circular economy.

Classification and Disposal of General Wastes

Recyclable Waste	• Divided into silver, aluminum paste, copper, silicon, general metals, waste paper, waste plastics, waste foam, etc. • Collected and measured by the Procurement Department, and handed over to the recycler for disposal in accordance with the signed agreement/contract
Non-recyclable Waste	• Road sweeping waste, dormitory waste, office waste (dust, fruit peels, beverage bottles and cans) • Transported and cleared by the administrative supervision sanitation department, and ensure not to exceed the maximum storage capacity
Food Waste	• Waste food raw materials and swill generated in the canteen • Properly disposed of by the catering supplier, ensuring that the food waste is stored in the Company for no more than 24 hours

Summary of General Wastes Performance Data

Indicator	Unit	2024	2023	2022	2021
Total generation amount of general waste (including the total amount of non-hazardous waste)	Ton	3,110	1,693.55	2,176.34	1,071.88
Disposal amount of general waste	Ton	3,110	1,693.55	2,176.34	1,071.88
Comprehensive utilization rate	%	100	100	100.00	100.00

Future Outlook

As the global carbon neutrality process enters a critical and complex phase, the new energy industry will witness more profound transformations amid technological iteration, model innovation and global collaboration. We will take “Globalization of Technology, Ecologization of Industry, and Systematization of Responsibility” as our strategic core. Facing the new stage where energy transition evolves from “large-scale substitution” to “systematic restructuring”, we will reshape the competitive landscape with a global perspective and Chinese wisdom, deeply participate in international zero-carbon emission initiatives, and promote photovoltaic technology standards and carbon accounting systems to become the common language of global energy governance—enhancing our voice in the industrial chain through open cooperation. Technological breakthroughs will no longer be limited to efficiency improvement in a single link, but will focus on building a three-dimensional energy matrix with in-depth integration of “photovoltaics, energy storage, hydrogen, and smart technologies”. By advancing the commercial implementation of disruptive technologies such as HJT heterojunction cells and perovskite tandem cells, we will achieve closed-loop synergy in power generation, energy storage, and consumption. This will enable clean energy to break constraints and become a cornerstone for supporting the new power system.

At the governance level, we will reconstruct management processes through digital twin technology and build a new governance structure featuring “smart core+agile organization”. Leveraging an AI-driven risk early warning system and blockchain-enabled transparent operations, we will achieve scientific decision-making, real-time response, and traceable accountability, thus forging a “predictive risk control” moat in the complex and volatile global market. The practice of environmental responsibility will be elevated to a “negative carbon value chain”. We will not only achieve carbon neutrality in our own operations, but also extend carbon footprint management to the green rating of suppliers and empowering customers in carbon reduction. We will establish a full-lifecycle zero-carbon database, join hands with upstream and downstream partners to build a carbon offset ecosystem, and translate low-carbon commitments into quantifiable contributions to global climate action.

The creation of social value will go beyond the scope of traditional public welfare and shift toward the strategic dedication to “technology inclusion” and “energy equity”. We plan to launch more energy initiatives by deeply aligning with the “Belt and Road Initiative” and focusing on energy-poor areas. Through distributed photovoltaic and off-grid solutions integrating energy storage, we will bring clean electricity to more corners not covered by the power grid. Meanwhile, we will build learning-oriented enterprises focused on green skills, cultivate more PV engineers for emerging markets, and activate the inner driving force for local sustainable development through technology transfer. In the field of organizational evolution, we will build a composite talent team characterized by “cross-generational, cross-cultural, and cross-sectoral” capabilities, create a flexible work ecosystem and innovation platforms, and ensure that employees’ creativity resonates in harmony with the Company’s sustainable development goals.

Standing at the historical juncture of the industry’s century-long transformation, Jetion Solar is committed to becoming a world-class provider of photovoltaic engineering and product solutions. It will realize the preservation and appreciation of state-owned assets, create a development platform for employees, create value for customers and more green job opportunities for society. Adopting the “One Body, Two Wings” strategic framework, Jetion Solar takes R&D and manufacturing as the solid foundation and engineering services as the core driving force. Through the close linkage between photovoltaic product sales and engineering services, it will implement the business model of “engineering driving sales”. This strategy not only strengthens market competitiveness, but also ensures the provision of efficient and reliable one-stop photovoltaic solutions to maximize value for customers. With the overall goal of “building a domestically leading technological innovation platform for photovoltaic cell modules, constructing a complete technology matrix from single-junction to multi-junction, and achieving leapfrog improvement in the performance of cell modules”, Jetion Solar will provide strong technological support for the Company’s sustainable development. In manufacturing, the Company focuses on the “two core priorities” of precise production and outstanding quality, and the “three key tasks” of quality improvement, efficiency enhancement, and cost reduction, so as to build a new production and operation model integrating advanced manufacturing and services. With the goal of achieving a transition to refined operations and driving business growth, the Company will build detailed customer profiles by systematically sorting out customer characteristics and classifications. Based on these profiles, it will leverage its full-range product portfolio—with HJT cells and modules as leading products to lead efficiently, PERC modules & TOPCon modules as regular support products to expand sales channels, and differentiated products such as lightweight modules&flexible modules&solar tiles to provide customized services. By offering precise services tailored to the needs of different application scenarios, the Company will improve resource allocation efficiency and enhance customer stickiness.

We will break free from path dependence with the courage to “start from scratch” and explore the territory of new-quality productive forces in the photovoltaic sector through the mindset of the second growth curve. While adhering to the main business track of photovoltaics, we will accelerate the transformation into a comprehensive energy service provider, integrate various energy nodes through the digital energy cloud platform, and reshape the relationship between energy production and consumption.

In the future, we aspire not only to be definers of photovoltaic technology, but also to become architects of a zero-carbon society — taking every photovoltaic module as a fulcrum to leverage the deep decarbonization of systems such as transportation, industry, and cities. We will enable the value of green energy to penetrate the industrial chain and truly rewrite the energy DNA of human civilization. This future-oriented answer will be written with continuously breakthrough hardcore technology as the brush, and global responsibility that transcends business interests as the ink. On the journey across the vast stars and oceans, we will compose an epic chapter belonging to China’s new energy sector.

GRI Index

Instructions for Use	Jetion Solar (China) Co., Ltd. reported the information referenced in this GRI Content Index in accordance with the GRI Standards from January 1, 2024 to December 31, 2024.
GRI 1 Used	GRI 1: Foundation 2021

GRI Standards	Disclosure	Location	Reason for Omission
The organization and its reporting practices	2-1 Organizational details	Company Profile	
	2-2 Entities included in the organization’s sustainability reporting	Reporting Boundary	
	2-3 Reporting period, frequency and contact point	About the Report	
	2-4 Restatements of information	About the Report	
	2-5 External assurance	/	
Activities and workers	2-6 Activities, value chain and other business relationships	Company Profile	
	2-7 Employees	Embrace Diversity	
	2-8 Workers who are not employees	Embrace Diversity	
Governance	2-9 Governance structure and composition	Corporate Governance	
	2-10 Nomination and selection of the highest governance body	Corporate Governance	
	2-13 Delegation of responsibility for managing impacts	Corporate Governance	
	2-19 Remuneration Policy	Safeguard Employees’ Rights and Benefits	
Strategy	2-22 Statement on sustainable development strategy	Message from the Management	
	2-23 Policy commitments	Corporate Governance	
	2-25 Processes to remediate negative impacts	Internal Control System	
	2-26 Mechanisms for seeking advice and raising concerns	Democratic Management / Quality Service	
	2-27 Compliance with laws and regulations	Compliance Operation / Safeguard Employees’ Rights and Benefits	
	2-28 Membership associations	Green Development Efforts	
Stakeholder Engagement	2-29 Approach to stakeholder engagement	Stakeholder Identification	
	2-30 Collective bargaining agreements	/	
GRI 3: Material Topics	3-1 Process to determine material topics	Material Topics Analysis	
	3-2 List of material topics	Material Topics Analysis	
	3-3 Management of material topics	Material Topics Analysis	

GRI Standards	Disclosure	Location	Reason for Omission
GRI 201: Economic Performance	201-1 Direct economic value generated and distributed	Company Profile	
GRI 205: Anti-corruption	205-1 Operational sites subject to Corruption Risk Assessments	Anti-Corruption	
	205-2 Communication and training about anti-corruption policies and procedures	Anti-Corruption	
	205-3 Confirmed incidents of corruption and actions taken	Anti-Corruption	
GRI 301: Materials	301-1 Weight or Volume of Materials Used	Sustainable Supply Chain	
	301-3 Recycled Products and Their Packaging Materials	Sustainable Supply Chain	
GRI 302: Energy	302-1 Energy consumption within the organization	Energy Conservation and Consumption Reduction	
	302-2 Energy Consumption Outside the Organization	Energy Conservation and Consumption Reduction	
	302-4 Reduction of energy consumption	Energy Conservation and Consumption Reduction	
	302-5 Reduction of Energy Consumption in Products and Services	Energy Conservation and Consumption Reduction	
GRI 303: Water and Effluents	303-1 Interactions with water as a shared resource	Water Conservation	
	303-4 Water Discharges	Water Conservation	
	303-5 Water Withdrawal	Water Conservation	
GRI 305: Emissions	305-1 Direct (Scope 1) GHG emissions	Energy Conservation and Consumption Reduction	
	305-2 Energy indirect (Scope 2) GHG emissions	Energy Conservation and Consumption Reduction	
	305-7 Emissions of Nitrogen Oxides (NOX), Sulfur Oxides (SOX), and Other Significant Gaseous Emissions	Wastewater and Waste Gas Management	
GRI 306: Waste	306-1 Generation of Waste and Significant Impacts Related to Waste	Waste Management	
	306-2 Management of Significant Impacts Related to Waste	Waste Management	
	306-3 Waste Generated	Waste Management	
	306-4 Waste Transferred from Disposal	Waste Management	
	306-5 Waste Sent for Disposal	Waste Management	
GRI 308: Supplier Environmental Assessment	308-1 New Suppliers Screened Using Environmental Criteria	Sustainable Supply Chain	
	308-2 308-2 Negative Environmental Impacts in the Supply Chain and Actions Taken	Sustainable Supply Chain	

GRI Standards	Disclosure	Location	Reason for Omission
GRI 401: Employment	401-1 New employee hires and employee turnover	Embrace Diversity	
	401-2 Benefits provided to full-time employees that are not provided to temporary or part-time employees	Safeguard Employees' Rights and Benefits	
	401-3 Parental Leave	Safeguard Employees' Rights and Benefits	
GRI 403: Occupational Health and Safety	403-1 Occupational Health and Safety Management System	Occupational Health and Safety	
	403-2 Hazard identification, risk assessment, and incident investigation	Occupational Health and Safety	
	403-5 Occupational Health and Safety Training for Workers	Occupational Health and Safety	
	403-7 Prevention and Mitigation of Occupational Health and Safety Impacts Directly Related to Business Relationships	Occupational Health and Safety	
	403-8 Workers covered by an occupational health and safety management system	Occupational Health and Safety	
GRI 404: Training and Education	404-1 Average hours of training per year per employee	Employee Development	
	404-2 Programs for upgrading employee skills and transition assistance	Employee Development	
	404-3 Percentage of employees receiving regular performance and career development reviews	Employee Development	
GRI 405: Diversity and Equal Opportunity	3-3 Management of Material Topics	Embrace Diversity	
	405-1 Diversity of governance bodies and employees	Embrace Diversity	
GRI 406: Non-discrimination	406-1 Incidents of discrimination and corrective actions taken	Safeguard Employees' Rights and Benefits	
GRI 408: Child Labor 2016	408-1 Operations and suppliers at significant risk for incidents of child labor	Sustainable Supply Chain	
GRI 409: Forced or Compulsory Labor	409-1 Operations and suppliers at significant risk for incidents of forces or compulsory labor	Safeguard Employees' Rights and Benefits / Sustainable Supply Chain	
GRI 414: Supplier Social Assessment	414-1 New Suppliers Screened Using Social Criteria	Sustainable Supply Chain	
	414-2 Negative Social Impacts in the Supply Chain and Actions Taken	Sustainable Supply Chain	
GRI 416: Customer Health and Safety	416-1 Assessment of the health and safety impacts of product and service categories	Quality Service	
	416-2 Incidents of non-compliance concerning the health and safety impacts of products and services	Quality Service	
GRI 418: Customer Privacy	418-1 Substantiated complaints concerning breaches of customer privacy and losses of customer data	Information Security	

Sustainable Development Goals (SDGs) Index

UN Sustainable Development Goals	Report Chapters
1. No Poverty	/
2. Zero Hunger	/
3. Good Health and Well - being	Occupational Health and Safety
4. Quality Education	Employee Development
5. Gender Equality	Embrace Diversity
6. Clean Water and Sanitation	Environmental Management, Water Conservation
7. Affordable and Clean Energy	Environmental Management, Energy Conservation and Consumption Reduction
8. Decent Work and Economic Growth	Corporate Governance, Law-based Enterprise Management, Compliance Operation
9. Industry, Innovation and Infrastructure	Innovative Technology
10. Reduced Inequalities	Safeguard Employees' Rights and Benefits
11. Sustainable Cities and Communities	Environmental Management, Pollution Prevention and Control
12. Responsible Consumption and Producti	Environmental Management, Energy Conservation and Consumption Reduction, Pollution Prevention and Control, Sustainable Supply Chain
13. Climate Action	Energy Conservation and Consumption Reduction
14. Life Below Water	Water Conservation
15. Life on Land	Environmental Management, Pollution Prevention and Control
16. Peace, Justice and Strong Institutions	Corporate Governance, Law-based Enterprise Management, Compliance Operation, Facilitate Employee Growth, Embrace Diversity
17. Partnerships for the Goals	Sustainable Supply Chain

Reader Feedback Form

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Thank you very much for reading this report. In order to continuously improve the compilation of this report, we particularly hope to hear your opinions and suggestions. Please help us complete the following related questions and send an email to: complaint@jetion.com.cn.

Selective Questions: (Please select and mark "√" in the corresponding position)

1.Regarding Jetion Solar (China) Co., Ltd., your identity is:

☐ Employee ☐ Customer ☐ Supplier ☐ Supervisory Authority ☐ Media ☐ Others (Please specify)

2. Your overall impression of the report is:

☐ Very Good ☐ Good ☐ Average ☐ Poor ☐ Very Poor

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☐ Very Good ☐ Good ☐ Average ☐ Poor ☐ Very Poor

Open-ended Question:

Please put forward your valuable opinions and suggestions on the *2024 Sustainable Development Report of Jetion Solar*

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