

Jetion Solar (China) Co., Ltd.

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Global Branches

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Italy

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Thailand

Jetion Solar (Thailand) Co., Ltd.
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Huay Kwang District, Bangkok 10310 Thailand
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www.jetionsolar.com

Engineering services

CNBM New Energy Engineering Co., Ltd.
Room 101, Building 10, NO.652 Changshou Road, Putuo
District, Shanghai, China 200063
Email: xnyinfo@jetion.com.cn

Manufacturing Facilities

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

New material Industry Park, Huangtu, Jiangyin, Jiangsu
Province 214443, P. R. China

Jiangyin Fab - China

No. 1011, Zhencheng Road, Shengang, Jiangyin, Jiangsu
Province 214443, P. R. China

Haian Fab - China

Haian Industry Park, Haian, Nantong, Jiangsu Province
214443, P. R. China
Tel: +86 513 8878 5988

Tongcheng Fab - China

Beisan Road, Tongcheng Economic Development Zone,
Tongcheng, Anhui Province, P. R. China

Chonburi Fab - Thailand

Jetion Solar (Thailand) Co., Ltd.
83/44 Moo 10 Tambol Nongkham, Amphur Sriracha,
Chonburi 20230 Thailand

Jetion Solar company brochure 2025_08_Rev_EN

JETION SOLAR

COMPANY BROCHURE



VISION

A world-class provider of photovoltaic engineering and product solutions

MISSION

Preserving and increasing the value of state-owned assets

Building a development platform for employees

Creating value for customers

Generating more green employment opportunities for society

CNBM

NOT JUST A BUSINESS GROUP,
BUT ALSO NATIONAL CORNERSTONE

China National Building Materials Group Corporation (CNBM) was established through the merger of the China National Building Materials Group Corporation and China National Materials Group Corporation, with approval from the State Council, and then became a Central Enterprise under direct supervision of State-owned Assets Supervision and Administration Commission of the State Council. CNBM is the largest comprehensive building materials industry group in the world, and a leading new materials developer and integrated service provider throughout the world. It has been listed in the Fortune Global 500 for 15 consecutive years.

Upholding the philosophy of "creating a better world with materials", CNBM is dedicated to fostering the concepts of "forging a nation with the spirit of greatness and the finest materials", "smart use of resources, services for construction", and adhering to the strategies of "development driven by innovation, empowered by reform, facilitated by internationalization and guided by Party building". CNBM is committed to building a world-class industrial investment group specializing in the material industry with global competitiveness.



CNBM

THREE CORE BUSINESS

BASIC BUILDING MATERIALS
Cement, "Cement +" Business

NEW MATERIALS
Light Weight Building Materials, Fiberglass, Carbon Fiber, New Glass Materials, Wind Turbine Blades, Lithium Battery Separator, Advanced Ceramics, Artificial Crystals

ENGINEERING & TECHNICAL SERVICES
Overseas investment, Engineering construction, Extensive R&D services, Testing & Certification, "Vehicle Calling" Intelligent Logistics Platform, Cross-border e-commerce

13

Listed companies
(2 oversea listed)

26

National scientific
research & design
institutes

11

National labs &
technology centers

9

Academician
Workstation

17

National standardization
technical committees

19

National enterprise
technology centers

THE WORLD'S LARGEST
comprehensive building
materials group

WORLD NO. 1

Cement engineering technology service

Glass engineering technology service

30 GW Turbine Blades
production capacity

3.7 million tons Fiberglass
production capacity

500 million tons Cement Clinker
production capacity

400 million m³ Ready-mix Concrete
production capacity

3.5 billion m² Plasterboard
production capacity

LEADING PRODUCER

• Carbon Fiber • Thin-film solar

• New Glass Materials • Float Glass

• Lithium Battery Separator • Ultra-thin electronic glass

• UHV electrical porcelain • Advanced Ceramics and Artificial Crystals



JETION SOLAR

GLOBAL LEADER IN SOLAR PRODUCT MANUFACTURING AND ENGINEERING SERVICES EXPERT

As a world-class solar products manufacturer, Jetion Solar specializes in research, development, production, and sales of solar PV products. Since its foundation in 2004, Jetion Solar has accomplished significant achievements which outpaced most of our main competitors in terms of production capacity and in the number of innovative designs. Jetion Solar upholds its belief that innovation is the key driver behind advancement by pursuing new technologies and higher efficiencies.

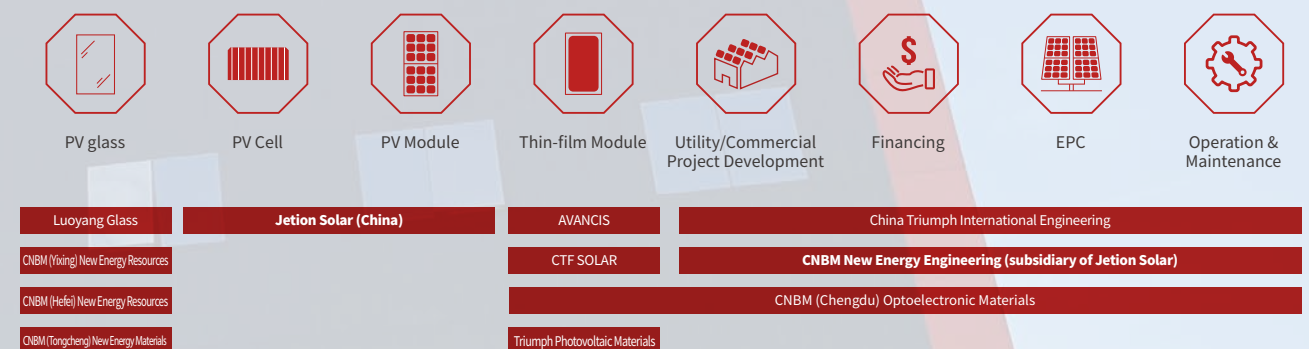
In 2014, Jetion Solar joined CNBM (China National Building Materials Group Corporation) to better extend our value chain. So far more than 20 GW Jetion Solar's products have been widely applied in over 60 countries and regions, earning a coveted "Tier 1" rating on BloombergNEF Module Maker Tiering System. And as backed by CNBM, Jetion Solar also provide global EPC service and project financing. Currently, Jetion Solar has an annual production capacity of 4.4 GW of cells, 2.5 GW of modules with 5 manufacturing plants worldwide. Furthermore, there are plans for an additional 2.6 GW of HJT cells. Jetion Solar serves worldwide customers with high-quality products and professional services.

CNBM NEW ENERGY ENGINEERING CO., LTD.

As an engineering service enterprise under the China National Building Materials Group Corporation, CNBM New Energy Engineering Co., Ltd. was established in 2011 and is a wholly-owned subsidiary of Jetion Solar. The company specializes in offering one-stop, full life cycle engineering service solutions for clients, focusing on the development, design, procurement, construction, and operation & maintenance of utility-scale ground power stations and various distributed photovoltaic projects. With a professional technical team and rich project experience, the company has developed more than 1GW of projects, realizing power generation of more than 5.6 billion kWh and investment income of more than 5.1 billion yuan.

CNBM's Solar Value Chain

From raw materials to project development, CNBM provides the whole PV value chain integration.



AMAZING DECADES

2004

Jetion Solar was established in Jinagsu, China

2005

Major manufacturing facility was completed
Launched the first 25 MW PV cell production line

2006

Launched the first 30 MW PV module production line

2007

Jetion Solar listed on AIM of London Stock Exchange
Jetion Solar (Europe) was established in Liechtenstein
PV cell production capacity ramp up to 50 MW/year

2008

Awarded Deloitte "Top 50 High-tech and High Growth Enterprise of China 2008"
PV cell production capacity ramp up to 100 MW/year
PV module production capacity ramp up to 60 MW/year

2009

Awarded Deloitte "Top 50 High-tech and High Growth Enterprise of China 2009"
PV module production capacity ramp up to 75 MW/year

2010

Awarded Deloitte "Top 50 High-tech and High Growth Enterprise of China 2010"
Jetion Solar (Jiangsu) was founded, specializing in PV module production
Jetion Solar Power (North America), the first overseas production facility, was established in Charlotte, USA
Jetion Solar's Jiangyin Low Carbon Industrial Zone manufacturing facility was founded, specializing in PV cell production
Both PV cell and module production capacity ramp up to 200 MW/year

2011

Both PV cell and module production capacity ramp up to 500 MW/year
Capable of investing in & developing 100 MW of PV power plants per year

2012

PV cell and module production capacity ramp up to 700 MW/year and 900 MW/year respectively
Reached 12 subsidiaries worldwide, and more than 3000 employees globally

2014

Jetion Solar was merged into CNBM (China National Building Material Group Co., Ltd.)
Launched Thailand factory with 100MW PV cell and 200 MW PV module production capacity
No. 1 market share in Thailand with more than 130 MW shipment

2015

No. 1 market share in Thailand with more than 220 MW shipment

2017

Jetion Solar (Tongcheng) was founded, specializing in PV module production

2019

PV cell and module production capacity ramp up to 1200 MW/year and 1500 MW/year respectively
A remarkable milestone - Jetion Solar's global module shipments exceed 10 GW

2020

PV cell and module production capacity ramp up to 2000 MW/year and 2500 MW/year respectively
Recognized as Tier 1 on BloombergNEF Module Maker Tiering System for the first time

2021

Launched 550W+ high efficiency monocrystalline module - Jeniüs III series
Jetion Solar (Europe) launched Italian subsidiary, targeting energy-saving building market in Italy

2022

CNBM (Jiangyin) Photoelectric Material Technology Co., Ltd. was established, dedicated to the R&D and production of high-efficiency heterojunction cells
Launched 700W+ HJT solar module, entering a new era of ultra-high efficiency

2023

Phase I of HJT project fully operational, increasing solar cell capacity to 4.4 GW
Recognized as Tier 1 on BloombergNEF Module Maker Tiering System consecutively

**26.5%**
Cell Efficiency**284**
Patents**150+**
Global R&D Engineers**Wuxi Key**
Laboratory**CNAS Lab****CTF Lab**
Accredited by TÜV SÜD Germany

LEADING TECHNOLOGY

With a full array of exciting solar energy technologies, Jetion Solar's strong innovation continues to help customers to meet their goals. From utilities to commercial and industrial customers, we work with the unique needs of each customer, site, and application to deliver the right products and services.

Jetion Solar has been investing continuously in solar product innovations by upgrading our laboratory equipment and employing promising R&D talents. Our emphasis on product innovation has allowed us to remain at the technological forefront of the solar PV industry.

Participated in 6 standards formulation

1 National **1** Industry **4** Group

QUALITY MANAGEMENT

Stringent quality control is the cornerstone of Jetion Solar's manufacturing. Our customers have come to expect uncompromising quality standards in our products. To meet this expectation of high quality, we continue to invest in state of the art equipment and professional training of our employees. We are proud of our product quality and their reliable performance even in the most extreme conditions.

Jetion Solar has received certifications :

ISO 9001: Quality Management System

ISO 14001: Environment Management System

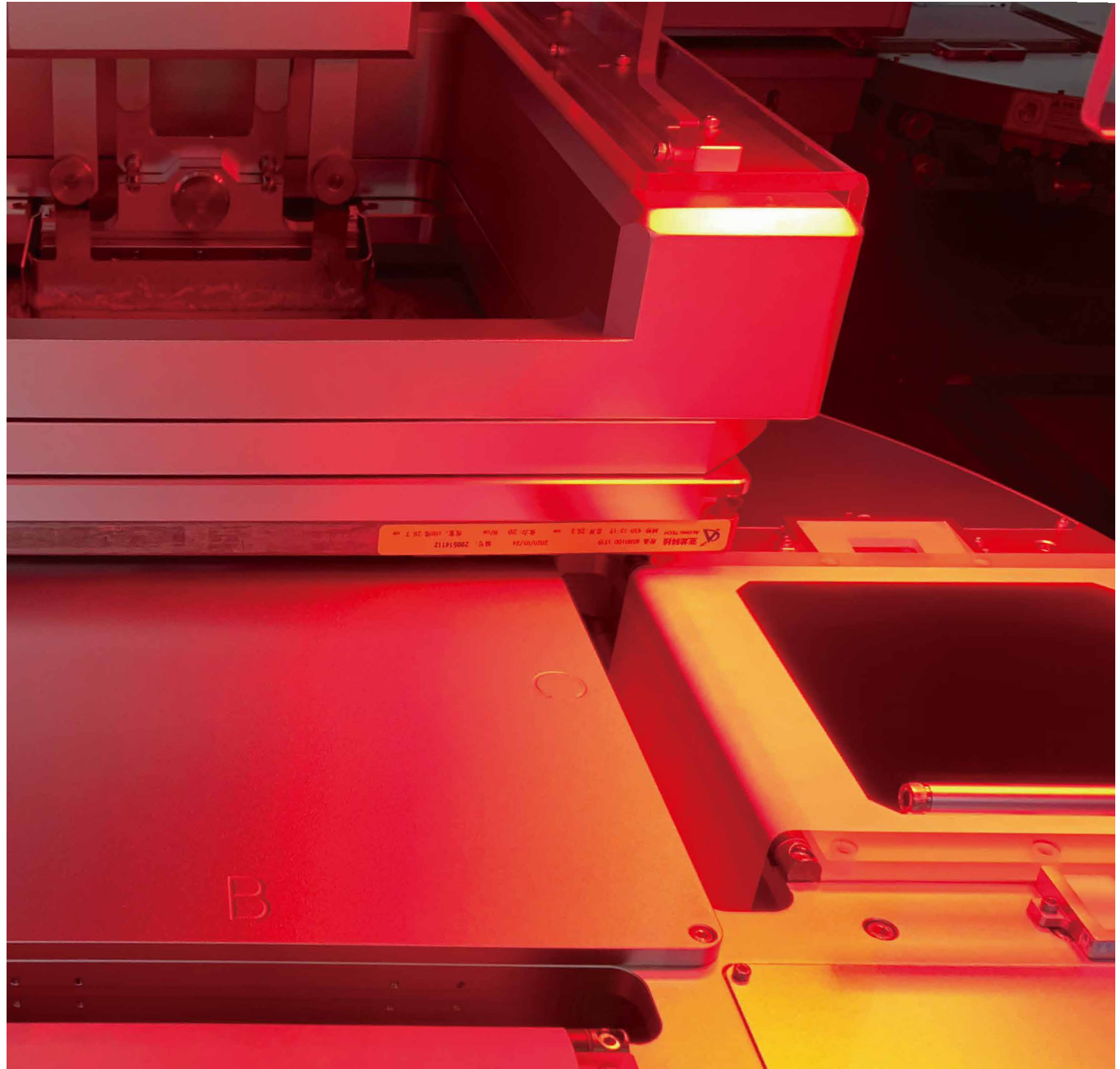
ISO 45001: Occupational Health and Safety

IEC 62941: Quality Management System

Jetion Solar (Tongcheng) has received certifications :

ISO 50001: Energy Management System

Certificates



MANUFACTURING EXCELLENCE

Jetion Solar produces quality ensured cells and a wide range of PV modules suitable for all system types: residential, commercial, industrial, and utility. And all Jetion Solar's modules have proven their high performance and lasting reliability in the field, where it matters the most.

Besides, our manufacturing execution system enables us to keep the balance through all the processes, including production scheduling, stock control, production and products delivery. We are committed to collaborating with R&D, production and sales & marketing with real-time and cross-regional communication.

2 GW

PERC CELL CAPACITY

2.4 GW

HJT CELL CAPACITY

2.5 GW

MODULE CAPACITY

Jeniüs high efficiency monocrystalline series

Aligned with the core principle of creating maximum value for customers, Jetion Solar continuously upgrades the product lines to ensure that each series effectively contributes to improving efficiency and reducing costs.

250~410w

Jeniüs N-HJT colored series
210mm/48 cells

505~525w

Jeniüs N-HJT light-weight series
210mm/48 cells

630~660w

Jeniüs N-HJT series
210mm/60 cells

695~730w

Jeniüs N-HJT series
210mm/66 cells

580~605w

Jeniüs N-HJT series
210mm/55 cells

610~630w

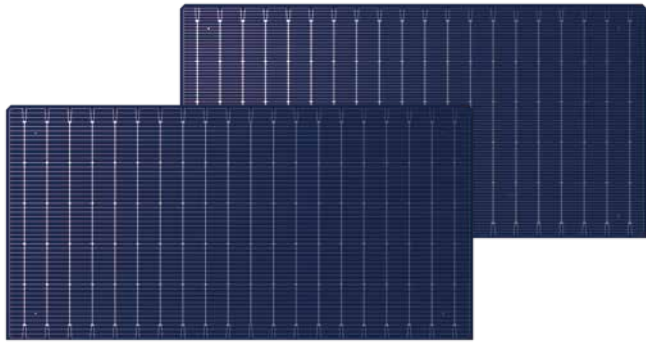
Jeniüs 210R series
182x210mm/66 cells

440~455w

Jeniüs 210R series/light-weight/full black
182x210mm/48 cells

HJT CELLS & MODULES

HJT cells combine the advantages of crystalline silicon and amorphous silicon thin-film technology, marking them as one of the solar industry's premier cell technologies today. Jetion Solar is fully committed to the HJT technology pathway, and has successfully elevated mass production efficiency through the employment of numerous core technologies, including wafer absorption, high cleanliness cleaning, intrinsic amorphous silicon passivation, doped layer microcrystalline silicon, MBB and half cut.



Maximum
efficiency

26.5%

GDHMBB

Efficiency(%)	25.7%	25.8%	25.9%	26.0%	26.1%	26.2%
Pmax(W)	5.67	5.69	5.71	5.73	5.75	5.78

wafer	N-type wafer
Dimension	210×105±0.35mm
thickness	110±20μm
busbars	0BB/20BB

730W

Jeniüs N-HJT
ultra-high efficiency series



High bifaciality



Extreme temperature
coefficient



Lower LID & PID



Excellent low light
performance

JT 630-660 SLk(B)

Maximum Power (W)	630	635	640	645	650	655	660
Module Efficiency (%)	22.3%	22.4%	22.6%	22.8%	23.0%	23.1%	23.3%
Dimensions / Weight	2172×1303×35 mm / 35.3kg						
Number of Cells	120 [2 x (10 x 6)]						

For more versions, please visit: www.jetionsolar.com

JT 695-730 SLk(B)

Maximum Power (W)	695	700	705	710	715	720	725	730
Module Efficiency (%)	22.4%	22.5%	22.7%	22.9%	23.0%	23.2%	23.3%	23.5%
Dimensions / Weight	2384×1303×35 mm / 37.3kg							
Number of Cells	132 [2 x (11 x 6)]							

The specification described in this document may deviate slightly, Jetion Solar (China) Co., Ltd. reserves the right to make any adjustment to the information described herein at any time without notice.

Jeniüs Light Series Modules

The modules are 50 ~ 60% lighter than traditional ones, which are suitable for various low-load scenarios such as PV roofs, walls, etc., and bring higher safety in crowded places, including convention centers, high-speed railway stations, subway stations, and other building rooftops. By leveraging advanced PV technologies like HJT, TOPCon and PERC, the modules achieve superior power generation efficiency while maintaining their lightweight design.

👑 Exclusive Patent

Trench Frame Design
Interlocking Clamp Installation

🌿 Ultra-light Weight

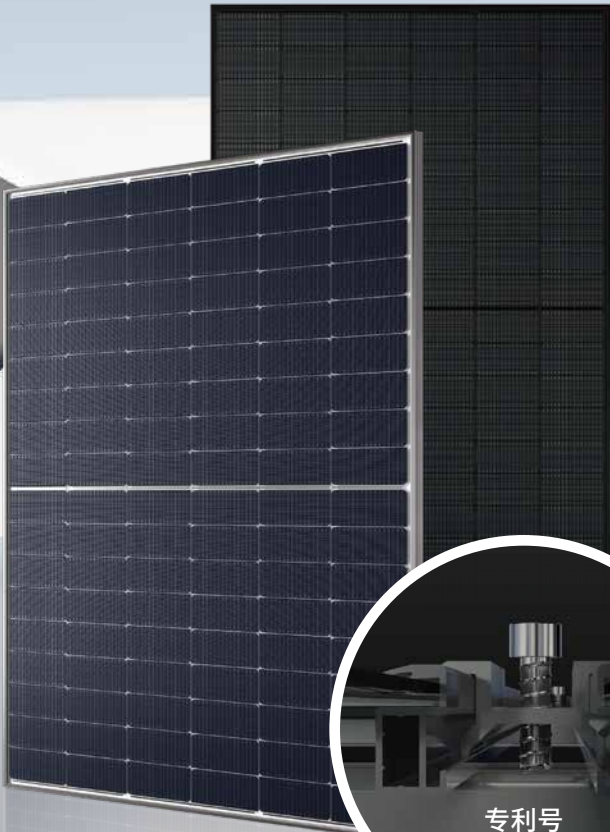
The lightest can reach **6.7kg/m²**
Diverse Application Scenarios

🏠 Safe and Reliable

19.3mm Thickness with full aluminium frame
360-degree All-round Protection

🔧 Easy Installation

No Glue Required
Removable Installation Method

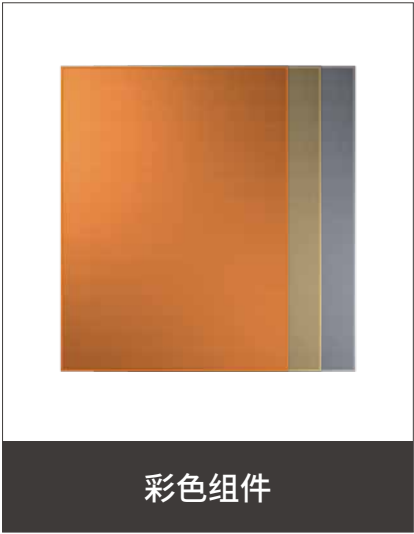
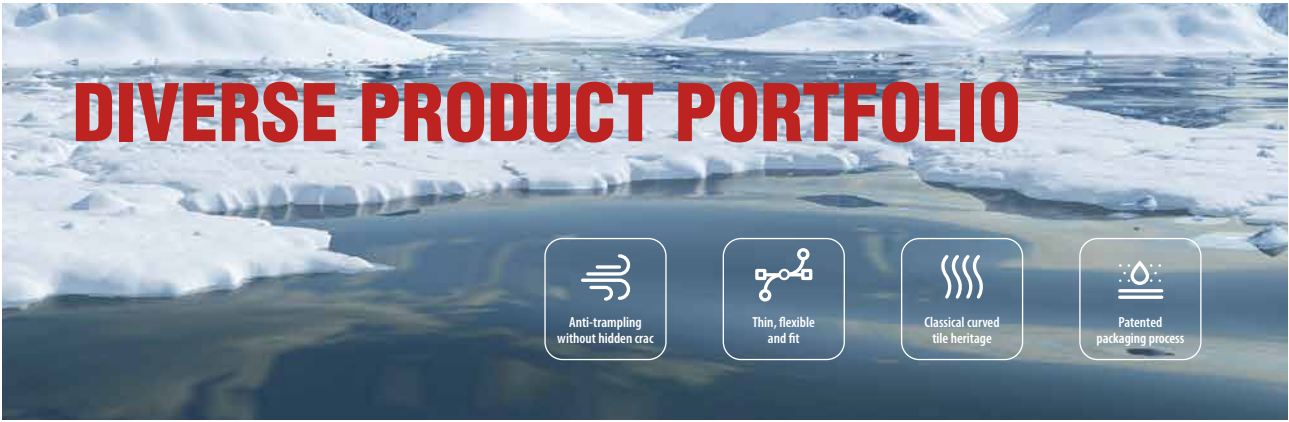


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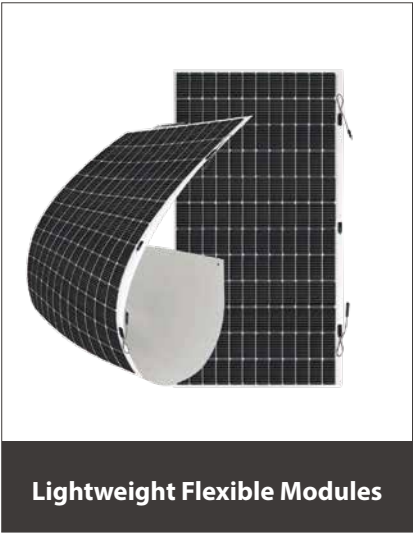
JT 505-525 SNk(L)

Maximum Power (W)	505	510	515	520	525
Module Efficiency (%)	22.1%	22.4%	22.6%	22.8%	23.0%
Dimensions / Weight	1750×1303×19.3 mm / 14.5kg				
Number of Cells	96 [2 x (8 x 6)]				

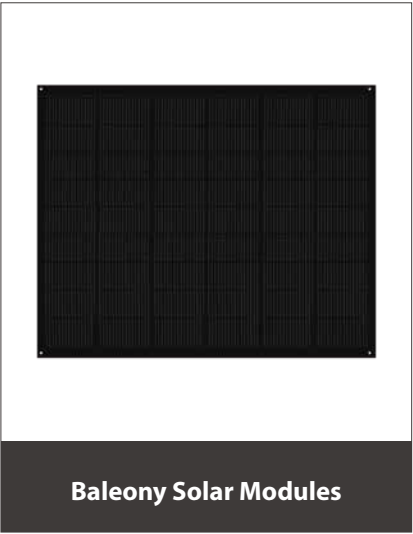
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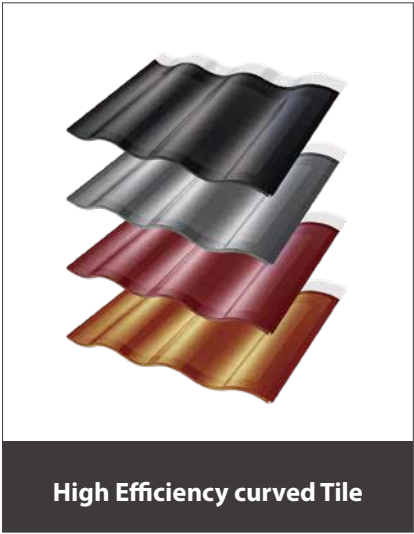
彩色组件



Lightweight Flexible Modules



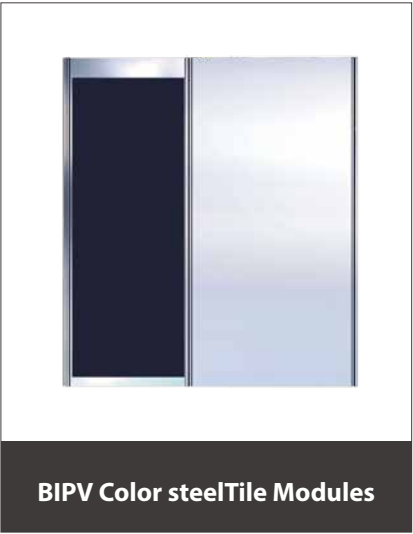
Baleony Solar Modules



High Efficiency curved Tile



Double Glass Flat Tile Modules



BIPV Color steelTile Modules

ENGINEERING SERVICE

Jetion Solar's new energy engineering offers comprehensive project solutions—from large-scale ground plants to C&I and residential rooftops. Leveraging 5G, the company provides smart O&M services with remote monitoring and intelligent command systems for rapid fault detection and efficient handling, maximizing plant profitability.

✓ Superb Engineering

✓ Quality Procurement

✓ Expert Construction Management

✓ Efficient Delivery

DEVELOPMENT

- Collect project information
- Analyze project feasibility
- Draw conclusions

APPROVALS

- Obtain government approvals
- Obtain electricity approvals

CONSTRUCTION

- Civil engineering
- Electrical Installation
- Wiring and grid connection

OPERATIONS

- Join electricity market trading
- Regular settlement
- Equipment operation and maintenance
- Participate in power trading

PROJECT TRACK RECORDS

OUR RELIABILITY IS PROVEN BY OUR RESULTS

Our accomplishments have taken us from the Pacific Rim to the Europe and Americas. That growth stems from our persistent technology innovation in the past 20 years. And in fact that we deliver integrated, efficient solutions across the entire value chain, including PV products, global EPC services and project financing.



1
219 MWp


Riccardo Totta PV Plant (solara4)

Alcoutim, Portugal

Riccardo Totta PV plant is the largest in Portugal, and among the largest unsubsidized projects built so far in Europe. Jetion Solar supplied more than 660,000 pieces of JT PAg polycrystalline PV modules. It will generate enough energy to power 200,000 homes after connected to the grid in October, 2021.





2
98 MWp

 Titan Solar 1  California, USA

The 98 MWdc Titan Solar 1 Energy Project is situated on a 569-acre parcel in Imperial County, California, and achieved the commercial operation date in Dec, 2020. The project will generate over 218,000 MWh per year, which is enough to power over 26,900 homes annually.



3
183.57 MWp

 Puerto Real 1&2  Cádiz, Spain

Puerto Real project with a total planned capacity of 223 MW is one of the largest unsubsidized utility-scale solar power plants currently constructed in Spain. Puerto Real 1&2 comprise more than 500,000 pieces of PERC modules supplied by Jetion Solar, and it has been officially connected to the grid in March, 2021 and October, 2022 respectively.



4
86 MWp

 Alpha  Poland

Alpha project is a special portfolio PV project, which consists of 86 individual 1MW PV plants spread across Poland. The project contributes actively to helping Poland towards carbon neutral energy, and achieved the commercial operation date in June, 2022.

 Solar-storage Project  Xigaze, Tibet

The project is a behemoth, clocking in at 40 MW of solar and 193 MWh of energy storage, and EPC was provided by CNBM New Energy Engineering who is affiliated with Jetion Solar. Until now, it is one of the world's highest altitude and largest installed capacity solar-storage projects. This project has been successfully connected to the grid in September, 2020.



6
12 MWp

 Residential Project  Qingdao, Shandong

Situated on a 150,000-square-meter site at Longquan Industrial Park in Jimo District, Qingdao, the project utilizes Jetion Solar's high-efficiency heterojunction photovoltaic modules. All generated electricity will be fed into the grid, delivering an estimated annual output of 13.2 million kWh. The project was successfully connected to the power grid in April 2025.



5
40 MWp

ACHIEVEMENT SPEAKS FOR ITSELF

We continuously expand our business and promote our latest technology and products, to strengthen our leading position in the PV industry.

FORTUNE 500

Ranked #351 in 2025

CNBM - Jetion Solar's parent company has been listed in FORTUNE Global 500 for 15 consecutive years, with ranking from #485 in 2011 to #351 in 2025.

26.5 %

Cell efficiency

Jetion Solar R&D team applies self-developed core patented cell technologies, such like phosphorus gettering, high cleanliness cleaning, i-a-Si passivation, $\mu\text{c-Si}$ thin film, etc., and expected to realize mass production of cell efficiency with more than 26.5%.

TIER 1

Ranked by **Bloomberg**
New Energy Finance

Jetion Solar is recognized as Tier 1 PV module manufacturer by BloombergNEF PV Module Maker Tiering System. With solid bankability, Jetion Solar is your reliable world-wide partner.

284

Patents

Jetion Solar continues to lead the cutting-edge photovoltaic technology, with forward-looking vision and advanced technology to promote industry transformation and upgrading.

TOP 20

Global PV capacity

Jetion Solar has 4.4 GW of cell and 2.5 GW of module capacity with factories in China and Thailand. Furthermore, there are plans for an additional 2.6 GW of HJT cells.

20 GW+

Cumulative module shipment

Since 2005, Jetion Solar has shipped more than 20 GW of photovoltaic modules globally.
(Note: *Data as of the end of 2024)

TOP 50

Ranked by **Deloitte**
Technology Fast 50

Awarded Deloitte "Top 50 High-tech and High Growth Enterprise of China" for 3 consecutive years.

60 +

Countries and regions

As of 2024, Jetion Solar's products have been widely applied in over 60 countries and regions in Europe, Asia Pacific, America and Africa.

GLOBAL PRESENCE

As a world's leading renewable energy solution provider, we will continue to expand our global network, including production, R&D, logistics, sales and service networks to meet the customers' needs around the world.



-  Headquarter
-  Manufacturing Plants
-  Branches & Offices
-  Warehouses

SUSTAINABLE DEVELOPMENT

As a pioneer and leader of solar industry, Jetion Solar plays an important role in sustainable development. We are committed to contributing the society with green energy, and we expect Jetion Solar could bring lasting and positive impact for the human beings.

