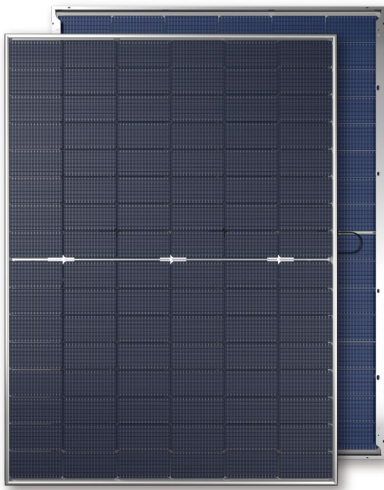




# JT445SNt(B) JT450SNt(B) JT455SNt(B)

## Dual-glass Monocrystalline Solar Module

### 96 Cells / MBB / Bifacial Mono TOPCon / 1500V DC / 22.8% Maximum Efficiency



#### KEY FEATURES



**Leading TOPCon technology**  
MBB N-type TOPCon solar cell  
Maximum power output 455W



**Highly reliable due to stringent quality control**  
100% EL double inspection  
In-house testing goes well beyond certification requirements



**High bifaciality**  
80% bifacial rate, additional 25% more yield than PERC  
Lower LCOE



**Certified to withstand the most challenging environment**  
2400 Pa wind load • 5400 Pa snow load • 25 mm hail stones at 82 km/h

#### QUALIFICATIONS & CERTIFICATES

- IEC 61215, IEC 61730, IEC 62941
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- ISO 45001: Occupational Health and Safety

#### WARRANTY

**12**  
years

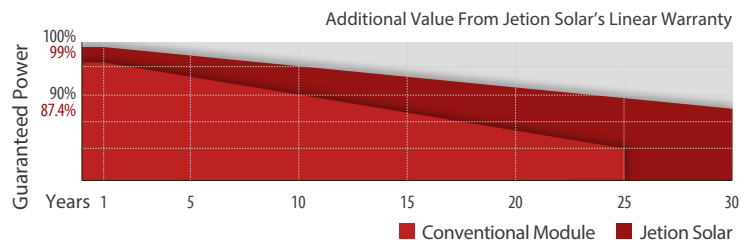
Product  
Warranty

**30**  
years

Performance  
Warranty

#### JETION SOLAR

As a member of CNBM - a Fortune 500 company, Jetion Solar provides various product solutions, global EPC service and financing. Its standard and high-efficiency product offerings are among the most powerful and cost-effective in the industry. Till now, Jetion Solar has cumulatively more than 20 GW module shipment and 1 GW global EPC track records.



\*Only applies to the actual power output of the front face of the modules under STC (Standard Test Condition).

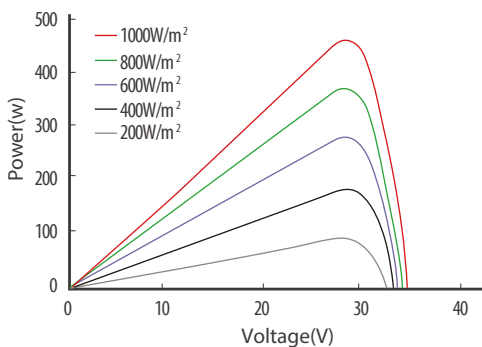
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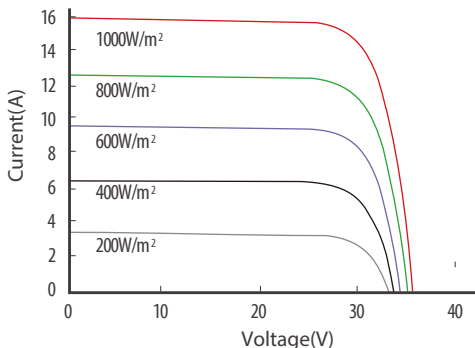
## CURVES

PV Curves of JT445Snt(B) at different irradiances



IV Curves of JT445Snt(B) at different irradiances

Cell temperature 25°C



## ELECTRICAL DATA \*STC

TYPE (Power Binning: 0 - +5W )	JT445Snt(B)	JT450Snt(B)	JT455Snt(B)
Maximum Power Pmax (W)	445	450	455
Maximum Power Voltage Vmp (V)	29.69	29.89	30.08
Maximum Power Current Imp (A)	14.99	15.06	15.13
Open Circuit Voltage Voc (V)	35.50	35.70	35.85
Short Circuit Current Isc (A)	15.99	16.06	16.13
Module Efficiency (%)	22.3%	22.5%	22.8%

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5

Power Measurement Tolerance ±3%

## BNPI & BIFACIALITY COEFFICIENT & BSI

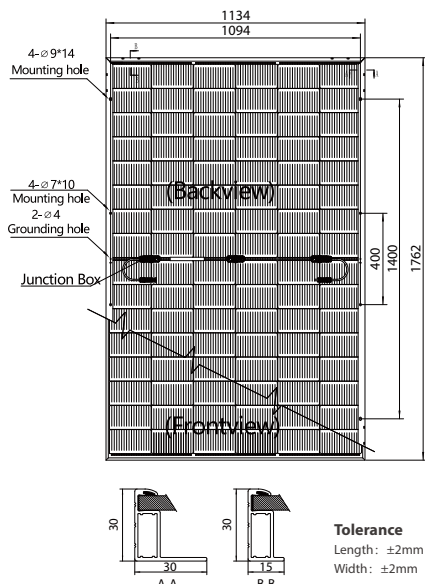
<b>BNPI</b>	Pmax (W)	491	497	502
	Voc (V)	35.5	35.7	35.85
	Isc (A)	17.65	17.73	17.81
<b>Bifaciality coefficient</b>	φPmax (±10%)	80	80	80
	φVoc (±5%)	95	95	95
	φIsc (±10%)	80	80	80
<b>BSI</b>	Isc (A)	19.64	19.72	19.81

BNPI: Power Measurement Tolerance ±3%, Voc Tolerance ±3%, Isc Tolerance ±3%, front 1000 W/m<sup>2</sup>, rear 135 W/m<sup>2</sup>  
BSI: Isc Tolerance ±10%, front 1000 W/m<sup>2</sup>, rear 300 W/m<sup>2</sup>

## TEMPERATURE RATINGS

Temperature Coefficient of Isc (αIsc)	+0.045%/°C
Temperature Coefficient of Voc (βVoc)	-0.24%/°C
Temperature Coefficient of Pmax (γPmp)	-0.29%/°C
Normal Module Operating Temperature (NMOT)	43°C±3°C

## DIMENSION



## OPERATING PARAMETERS

Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	30A
Maximum Test Load, Push/Pull	+5400Pa/-2400Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥100MΩ
Voc and Isc Tolerance	±3%
Module(T98)max	70°C

## MECHANICAL DATA

Solar Cell Type	Mono 182×210 mm(7.2×8.3 inches)
Number of Cells	96 [2 x (8x 6)]
Module Dimensions	1762×1134×30 mm(69.4×44.6×1.2 inches)
Weight	23.7 kg(52.2 lb)
Front Cover	High transmission, AR coated tempered glass, 2.0mm
Back Cover	Grid/Transparent, Tempered glass, 2.0mm
Frame	Silver, anodized aluminium alloy
J-Box	≥IP68
connector	Jiaming Tianheyuan: PV-JM608 / Zhonghuan: PV-ZH202B / Renhe: RHC2xyzu
Cable	4.0 mm <sup>2</sup> solar cable, 400 mm(+)/200 mm(-), Customizable
Number of diodes	3
Fire Class	Class C

## PACKAGING CONFIGURATION

Module per pallet	36 pieces
Module per 40'HQ container	26 pallets, 936 pieces

\*Installation instruction must be followed. See the installation manual or contact our technical service department for further information on approved installation.

\*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Jieton Solar (China) Co., Ltd. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein. Jieton Solar\_REV\_2026\_04\_EN Made in China