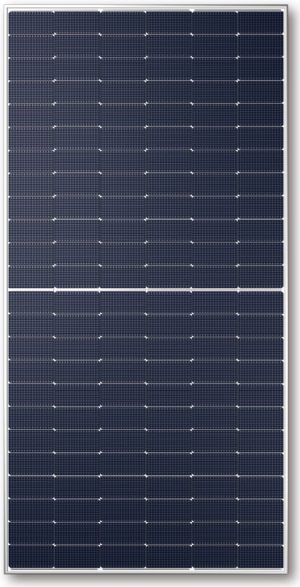
JT SGt 570-590W

Monocrystalline Solar Module

144 Cells / Mono TOPCon / 1500V DC / 22.8% Maximum Efficiency



KEY FEATURES

Leading TOPCon technology
MBB N-type TOPCon solar cell, maximum power output 590W
Better anti-LID & LETID performance

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

Excellent low light performance
Excellent low light performance on cloudy days
mornings and evenings

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

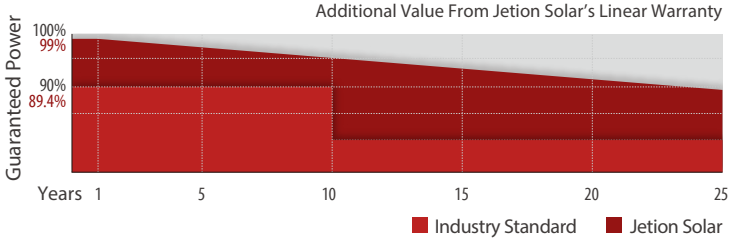
QUALIFICATIONS & CERTIFICATES

- 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

25 years Performance Warranty



JETION SOLAR

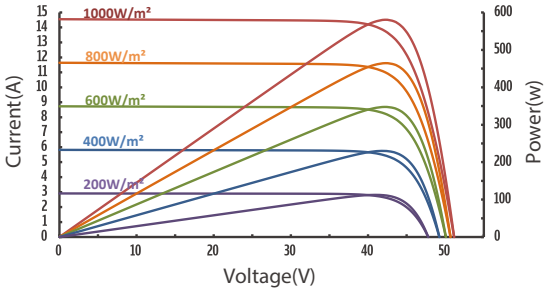
As a member of CNBM - a Fortune 500 company, Jetion Solar provides various product solutions, global EPC service and financing. Its standard and high-efficiency product offerings are among the most powerful and cost-effective in the industry. Till now, Jetion Solar has cumulatively more than 17 GW module shipment and 1 GW global EPC track records.

Jetion Solar (China) Co., Ltd.
Add: 1011 Zhencheng Road, Jiangyin, Jiangsu Province, P.R. China 214443
Tel: +86 (510) 8668 7300
E-mail: marketing@jetion.com.cn
Web: www.jetionsolar.com

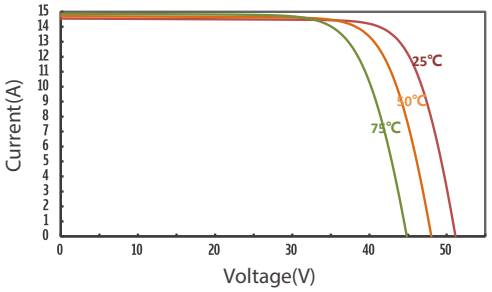
CNBM | JETION SOLAR Visionary Green Energy

IV CURVES

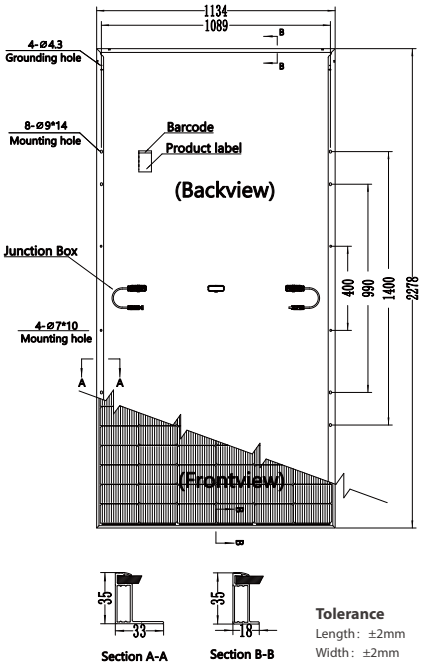
IV Curves of JT575SGt at different irradiances



IV Curves of JT575SGt at different Temp



DIMENSION



Remarks

ELECTRICAL DATA *STC

TYPE (Tolerance: 0 - +5W)	JT570SGt	JT575SGt	JT580SGt	JT585SGt	JT590SGt
Maximum Power Pmax (W)	570	575	580	585	590
Maximum Power Voltage Vmp (V)	42.15	42.35	42.55	42.75	42.95
Maximum Power Current Imp (A)	13.53	13.58	13.64	13.69	13.74
Open Circuit Voltage Voc (V)	50.85	51.00	51.15	51.30	51.45
Short Circuit Current Isc (A)	14.41	14.48	14.55	14.62	14.69
Module Efficiency (%)	22.1%	22.3%	22.5%	22.7%	22.8%

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5

Measuring tolerance: ±3%

ELECTRICAL DATA *NMOT

Maximum Power Pmax (W)	430	434	438	442	446
Maximum Power Voltage Vmp (V)	39.95	40.10	40.25	40.40	40.55
Maximum Power Current Imp (A)	10.76	10.82	10.88	10.94	11.00
Open Circuit Voltage Voc (V)	48.4	48.6	48.8	49.0	49.2
Short Circuit Current Isc (A)	11.51	11.57	11.63	11.69	11.75

NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

TEMPERATURE RATINGS

Temperature Coefficient of Isc (αIsc)	+0.045%/°C
Temperature Coefficient of Voc (βVoc)	-0.25%/°C
Temperature Coefficient of Pmax (γPmp)	-0.30%/°C
Normal Module Operating Temperature (NMOT)	42°C±2°C

OPERATING PARAMETERS

Maximum System Voltage	1500V/DC(IEC)
Operating Temperature	-40°C-+85°C
Maximum Series Fuse	25A
Maximum Test Load,Push/Pull	5400Pa/2400Pa
Conductivity at Ground	≤ 0.1Ω
Safety Class	II
Resistance	≥100MΩ
Voc and Isc Tolerance	±3%

MECHANICAL DATA

Solar Cell Type	N-type
Number of Cells	144 [2 x (12 x 6)]
Module Dimensions	2278×1134×35 mm(89.7×44.6×1.4 inches)
Weight	26.8 kg(59.1 lb)
Front Cover	3.2 mm (0.13 inches), high transmission, AR coated tempered glass
Back Cover	White composite film
Frame	Silver, anodized aluminium alloy
J-Box	≥IP68
Cable	4.0 mm² solar cable, 400mm(+)/200mm(-) or 300mm
Number of diodes	3

PACKAGING CONFIGURATION

Module per pallet	31 pieces
Module per 40'HQ container	20 pallets, 620 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, Jetion 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. Jetion Solar_REV_2024_09_EN

CNBM | JETION SOLAR Visionary Green Energy