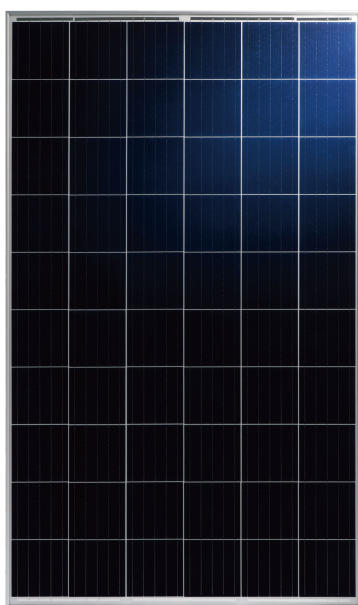


JT PPg 270-285W

Polycrystalline Solar Module

60 Cells / 1500V DC / 17.1% Maximum Efficiency



KEY FEATURES



High module conversion efficiency

Maximize limited space with high efficiency poly cells



Highly reliable due to stringent quality control

100% EL double inspection
In-house testing goes well beyond certification requirements



Certified to withstand the most challenging environment

2400 Pa wind load • 5400 Pa snow load • 25 mm hail stones at 82 km/h
salt mist, ammonia corrosion and sand blowing testing



High system voltage Compatible

Maximum 1500V DC system voltage saves total system cost



Temperature Coefficient

Improved temperature coefficient decreases power loss during high temperatures



IP67 junction box

High waterproof level for long term weather endurance

QUALIFICATIONS & CERTIFICATES

- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- OHSAS 18001: Occupational Health and Safety

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 5 GW module shipment and 1 GW global EPC track records.

WARRANTY

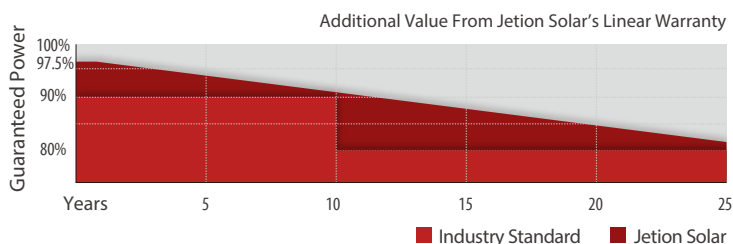


12 years
Product Warranty



25 years
Performance Warranty

Insured by
Munich RE



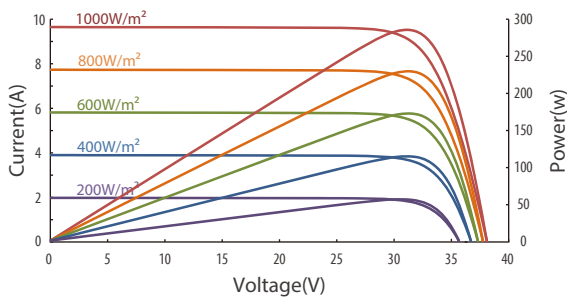
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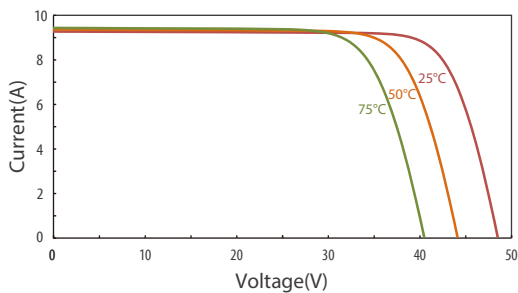


IV CURVES

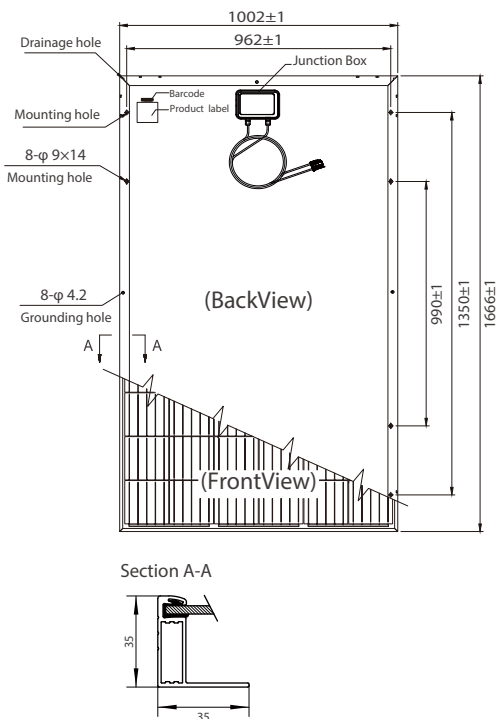
IV Curves of JT285PPg at different irradiances



IV Curves of JT285PPg at different Temp



DIMENSION



Remarks

ELECTRICAL DATA *STC

TYPE (Tolerance: 0 - +5W)	JT270PPg	JT275PPg	JT280PPg	JT285PPg
Maximum Power Pmax (W)	270W	275W	280W	285W
Maximum Power Voltage Vmp (V)	30.9	31.1	31.3	31.5
Maximum Power Current Imp (A)	8.79	8.89	9.00	9.10
Open Circuit Voltage Voc (V)	37.90	38.10	38.30	38.5
Short Circuit Current Isc (A)	9.27	9.35	9.45	9.54
Module Efficiency (%)	16.2%	16.5%	16.8%	17.1%

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

ELECTRICAL DATA *NMOT

Maximum Power Pmax (W)	199.8	203.5	207.2	211.0
Maximum Power Voltage Vmp (V)	28.50	28.70	28.90	29.10
Maximum Power Current Imp (A)	7.01	7.09	7.17	7.25
Open Circuit Voltage Voc (V)	35.00	35.20	35.40	35.60
Short Circuit Current Isc (A)	7.48	7.54	7.60	7.66

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

TEMPERATURE RATINGS

Temperature Coefficient of Isc (αIsc)	+0.05%/°C
Temperature Coefficient of Voc (βVoc)	-0.31%/°C
Temperature Coefficient of Pmax (γPmp)	-0.41%/°C
Normal Module Operating Temperature (NMOT)	43°C±2°C

OPERATING PARAMETERS

Maximum System Voltage	1000V/DC(IEC)/1500V/DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
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	Poly 158.75×158.75 mm(6 inches)
Number of Cells	60 (6×10)
Module Dimensions	1666×1002×35 mm(65.6×39.4×1.4 inches)
Weight	18.5 kg(40.8 lb)
Front Cover	3.2 mm (0.13 inches), high transmission, AR coated tempered glass
Backsheet	White composite film
Frame	Silver, anodized aluminium alloy
J-Box	≥IP67
Cable	4.0 mm ² solar cable, 1000 mm(39.4 inches)/customizable
Number of diodes	3
Connector	MC4 EVO2 compatible

PACKAGING CONFIGURATION

Module per pallet	30 pieces
Module per 40'HQ container	840 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_2019_11_EN

