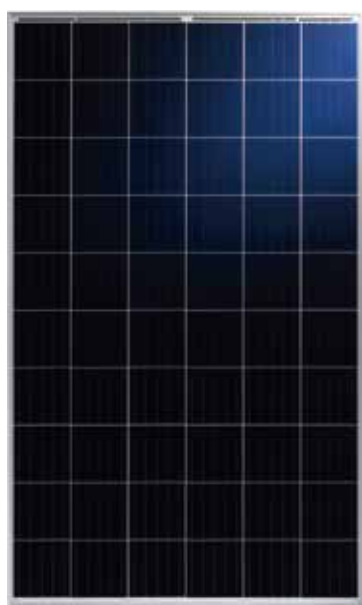


# JT PPg 270-285W

## High Efficiency Polycrystalline Solar Module

60 Cells / 1500V DC / 17.5% 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 1500VDC system voltage saves total system cost



#### Temperature Coefficient

Improved temperature coefficient decreases power loss during high temperatures



#### IP68 junction box

Highest waterproof level for long term weather endurance

### QUALIFICATIONS & CERTIFICATES

- IEC 61215, IEC 61730, UL 1703, IEC 61701, IEC 62716
- ISO 9001: 2008: ISO Quality Management System
- ISO 14001: 2004: ISO Environment Management System
- OHSAS 18001: 2007: 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 has cumulatively more than 5 GW module shipment and 1 GW global EPC track records.

#### Jetion Solar (China) Co., Ltd.

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Tel: +86 (510) 8668 7300  
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### WARRANTY

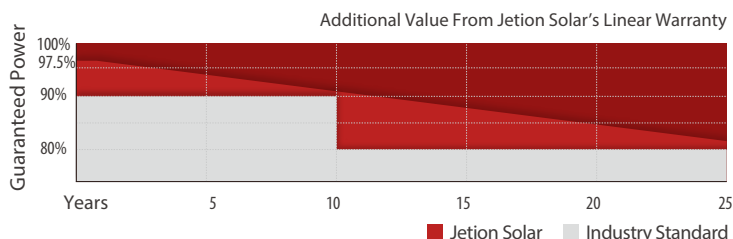


Product  
Warranty

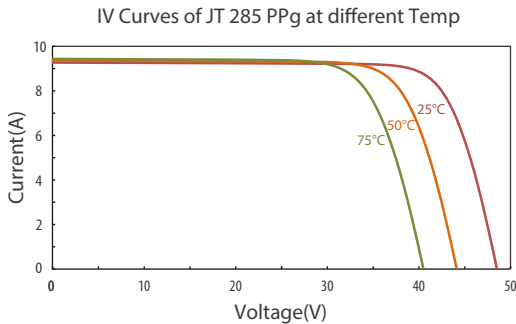
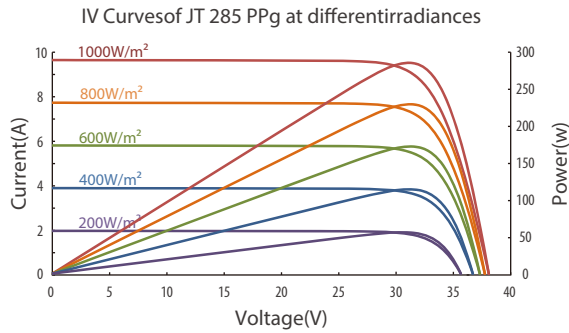


Performance  
Warranty

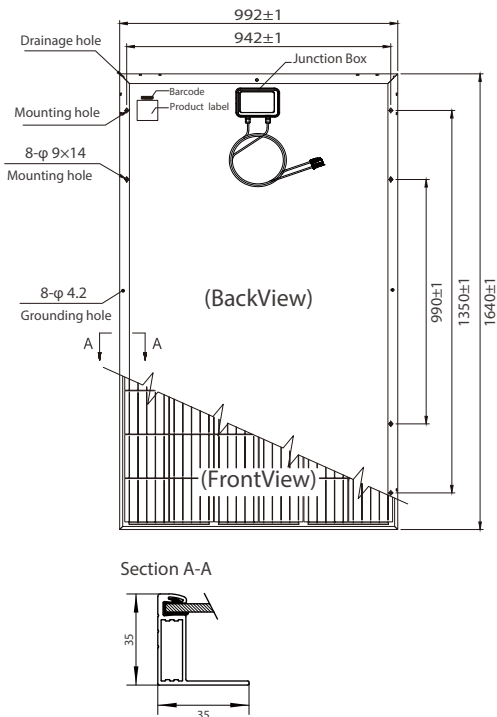
Insured by  
**Munich RE**



## IV CURVES



## 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 (%)         | 16.6%    | 16.9%    | 17.2%    | 17.5%    |

STC: Irradiance 1000W/m<sup>2</sup>, 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/m<sup>2</sup>, 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  |

## MAXIMUM RATINGS

|                              |                             |
|------------------------------|-----------------------------|
| Maximum System Voltage       | 1000V/DC(IEC)/1500V/DC(IEC) |
| Operating Temperature        | -40°C~+85°C                 |
| Maximum Series Fuse          | 15A                         |
| Maximum Test Load, Push/Pull | 5400Pa/2400Pa               |
| Conductivity at Ground       | ≤ 0.1Ω                      |
| Safety Class                 | II                          |
| Resistance                   | ≥ 100MΩ                     |

## MECHANICAL DATA

|                   |  |
|-------------------|--|
| Solar Cell Type   | Poly 157×157 mm(6 inches)  |
| Number of Cells   | 60 (6×10)  |
| Module Dimensions | 1640×992×35 mm(64.6×39.1×1.4 inches)                               |
| Weight            | 18 kg(39.7 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             | IP68 Rated   |
| Cable             | 4.0 mm <sup>2</sup> solar cable, 1000 mm(39.4 inches)/customizable |
| Number of diodes  | 3  |
| Connector         | MC4 or MC4 compatible  |

## PACKAGING CONFIGURATION

|                            |            |
|----------------------------|------------|
| Module per pallet          | 30 pieces  |
| Module per 40'HQ container | 840 pieces |