

Visionary green energy



# JT320SMc

## Monocrystalline Solar Module

There are no limits to what we can do.  
Our possibilities are endless.

You can buy solar technology anywhere today. But you don't receive the experience that is behind it. As a global company, Jetion has worked on new innovations and ideas since it was founded in 2004, **belonging to CNBM who is Chinese State owned company with over 30 years history.**

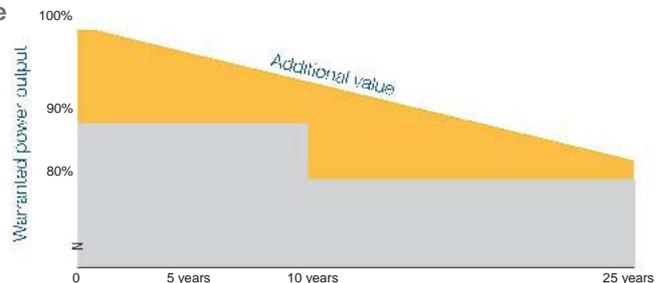
From highly efficient solar cells to complete solar energy installations, we offer sustainable solutions for increased performance and, at the same time, a healthier environment.

Jetion modules are particularly employed where long-term profitability, reliability and environmental issues are of great importance.

We guarantee the highest income, for a long life.

### Product Warranty

- 12 years for materials and workmanship.
- **Peak Power Warranty - 25 year linear warranty**



### Plus-Sorting

- With this plus-sorting we ensure that our customers pay for the watts they receive and guarantee the highest efficiency.

### Key Features

- 72 Monocrystalline solar 156\*156mm cells.
- Strong aluminum frames in order to improve the bearing capacity and withstand strong wind.
- Special mounting holes on the frames for long and short side mounting.
- High transparency low iron tempered glass with enhanced stiffness and impact resistance.
- Advanced EVA encapsulation system with multilayer backsheets.



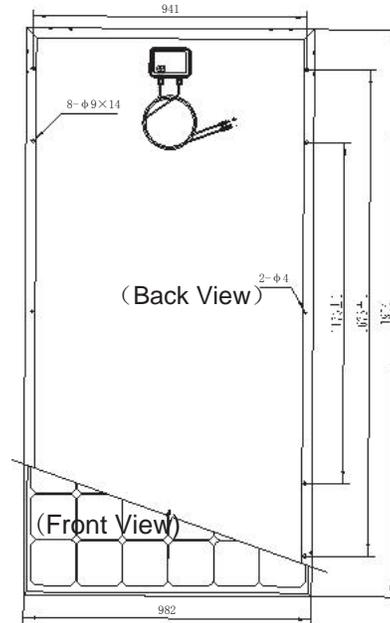
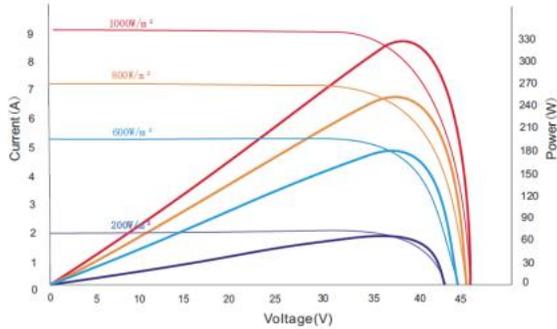
50MW, Prakhonchai Thailand

Specific conditions of guarantee and further information may be found at: [www.jetionsolar.com](http://www.jetionsolar.com)



# Mono-crystalline 156x156 Module JT SMC

I-V Curves at different Irradiances



All specified Parameters are at STC 25°C Ambient ,1000W/m<sup>2</sup> irradiance and AM 1.5

STC		Electrical Characteristics				
Type		JT300SMc	JT305SMc	JT310SMc	JT315SMc	JT320SMc
Module Power Range	(W)	300 ≤ P <sub>m</sub> < 305	305 ≤ P <sub>m</sub> < 310	310 ≤ P <sub>m</sub> < 315	315 ≤ P <sub>m</sub> < 320	320 ≤ P <sub>m</sub>
Max-Power	P <sub>m</sub> (W)	300	305	310	315	320
Max-Power Voltage	V <sub>m</sub> (V)	36.7	36.9	37.1	37.3	37.5
Max-Power Current	I <sub>m</sub> (A)	8.19	8.29	8.38	8.47	8.56
Open-Circuit Voltage	V <sub>oc</sub> (V)	45.1	45.3	45.5	45.7	45.9
Short-Circuit Current	I <sub>sc</sub> (A)	8.77	8.86	8.94	9.02	9.10
Module Efficiency	(%)	15.6	15.9	16.2	16.4	16.7
Max-System Voltage	(VDC)	600V(UL)/1000V(IEC)				
Max.Series Fuse	(A)	15				
P <sub>m</sub> Temperature Coefficients	(%/°C)	-0.42				
V <sub>oc</sub> Temperature Coefficients	(%/°C)	-0.31				
I <sub>sc</sub> Temperature Coefficients	(%/°C)	0.05				
NOCT Nominal Operating Cell Temperature		45 ± 2°C				
Maximum load rating		5400Pa(112.78lbf/ft <sup>2</sup> )				
Class AAA solar simulator (IEC 60904-4), power measurement uncertainty is within ± 3%						

NOCT		JT315SMc	JT320SMc
Max-Power	P <sub>m</sub> (W)	227	231
Max-Power Voltage	V <sub>m</sub> (V)	33.5	33.6
Max-Power Current	I <sub>m</sub> (A)	6.80	6.87
Open-Circuit Voltage	V <sub>oc</sub> (V)	42.0	42.2
Short-Circuit Current	I <sub>sc</sub> (A)	7.27	7.34

Absolute Ratings	
Dielectric Insulation Voltage	3000V
Operating Temperature (°C)	-40~+85
Storage Temperature (°C)	-40~+85

Packaging Configuration	
Packing Configuration	25 pcs/box
Quantity/Pallet	50 pcs/pallet
Loading Capacity	600 pcs/40ft(H)

Cable type, Diameter and Length	4mm <sup>2</sup> , TUV certified, 1000mm
Type of Connector	Compatible with MC4 plug
Number, type and arrangement of cells	72pcs, Mono-Crystalline Silicon(6 × 12)
Cell Size (mm)	156x156(D200)
Dimension (mm)	1954x982x40
Weight (Kg)	25.5
No. of Draining Holes in Frame	16
Glass, Type and Thickness	Low Iron, High Transmission, Tempered Glass 4 mm

NOCT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, AM=1.5, wind speed 1m/s  
 Specifications included in this datasheet are subject to change without prior notice