MONO POLY

TopointSolar

JTM 285-72P

275/280/285/290



SUPERIOR PRODUCTION
Vertically integrated automatic production lines for wafers, cells and solar modules.

ELECTRICAL INSPECTION
Electronic double inspection before delivery guarantees a faultless delivery, without any cracks or fault currents.

INSTALLTION
Easy installation and removing Ready for connection
Prefabricated cables Multi-Contact connector

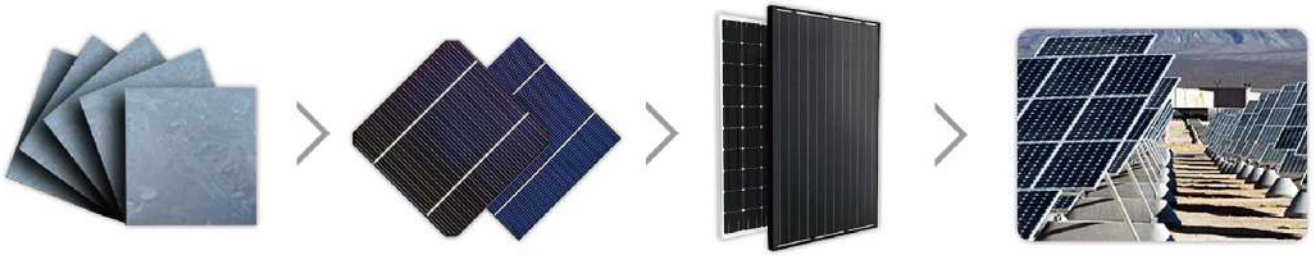
WARRANTY
10-year material and workmanship warranty
12 years for a guaranteed minimum benefit of 90%.
25 years for a guaranteed minimum benefit of 80%

QUALITY MANAGEMENT
Through the highest quality management, Topoint solar modules achieve the greatest quality. They are manufactured by international standards, verified by independent testing laboration and certified (UL, IEC, MCS).

QUALITY CONTROL
Strict quality control, with the highest international standards ISO 9001:2008 (Quality Management System) and ISO 14001:2004 (environmental management system), delivers excellent quality standards.

OUR PRODUCTS

Our vertically integrated automatic production line includes the complete conception and manufacture of silicon-ingots, wafers, solar cells and PV systems (for example: PV street lamps). Our quality control measures ensure sustainable, high standards and certification to international standards.



Wafer production | Cell production | Module production | Projects

Certification

Headquarters

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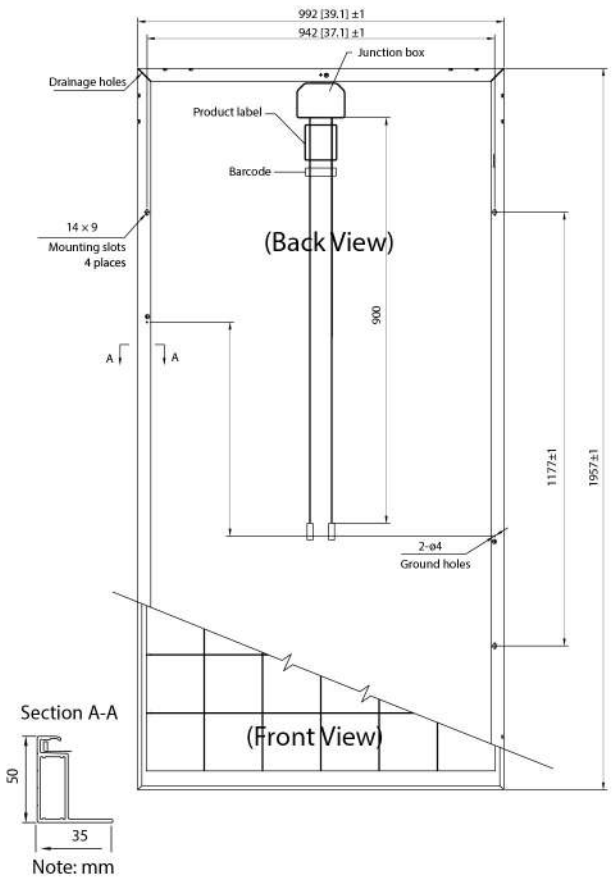
EN-TOPOINT-REV 2013

JTM 285-72P

TopointSolar

Electrical Characteristics	JTM275-72P	JTM280-72P	JTM285-72P	JTM290-72P
Maximum Power at STC（Pmax）	275W	280W	285W	290W
Optimum Operating Voltage（Vmp）	35.5V	36.0V	36.0V	36.0V
Optimum Operating Current（Imp）	7.75A	7.78A	7.92A	8.05A
Open Circuit Voltage（Voc）	44.0V	44.6V	44.6V	44.6V
Short Circuit Current（Isc）	8.30A	8.40A	8.55A	8.61A
Module Efficiency	14.20%	14.40%	14.70%	14.90%
Operating Module Temperature	-40°C to +85°C			
Maximum System Voltage	1000VDC（IEC）			
Maximum Series Fuse Rating	15A			
Power Tolerance	0/+3%			

STC: Irradiance 1000 W/ ㎡, module temperature 25 °C, AM=1.5; Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%



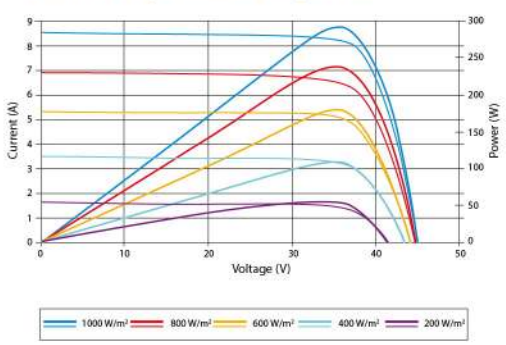
NOCT	JTM275-72P	JTM280-72P	JTM285-72P	JTM290-72P
Maximum Power at STC（Pmax）	202W	205W	209W	212W
Optimum Operating Voltage（Vmp）	32.3V	32.8V	32.8V	32.8V
Optimum Operating Current（Imp）	6.24A	6.26A	6.38A	6.48A
Open Circuit Voltage（Voc）	40.5V	41.0V	41.0V	41.0V
Short Circuit Current（Isc）	6.72A	6.80A	6.93A	6.97A

NOCT: Irradiance 800 W/ ㎡, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s;
Best in Class AAA solar simulator (IEC 60904-9) used, power measurement uncertainty is within +/- 3%

Temperature Characteristics	
Nominal Operating Cell Temperature (NOCT)	47±2°C
Temperature Coefficient of Pmax	-0.466%/°C
Temperature Coefficient of Voc	-0.33%/°C
Temperature Coefficient of Isc	0.037%/°C

Mechanical Characteristics	
Solar Cell	Polycrystalline silicon 156 × 156 mm
No. of Cells	72 (6 × 12)
Dimensions	1957 × 992 × 50mm
Weight	22.5 kg
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP65 rated
Output Cables	TUV 4.0 mm^2 , symmetrical lengths (-) 900mm and (+) 900 mm
Connectors	MC4 connectors

Current-Voltage & Power-Voltage Curve



Excellent performance under weak light conditions: at an irradiation intensity of 200 W/m² (AM 1.5, 25 °C), 95.5% or higher of the TOPOINT efficiency (1000 W/m²) is achieved

Packing Configuration			
Container	20' GP	40' GP	40' HC
Pieces per pallet	42	42	46
Pallets per container	5	11	11
Pieces per container	210	462	506