

2012/13



JST Solar

Just for green energy

JUST MODULE Monocrystalline

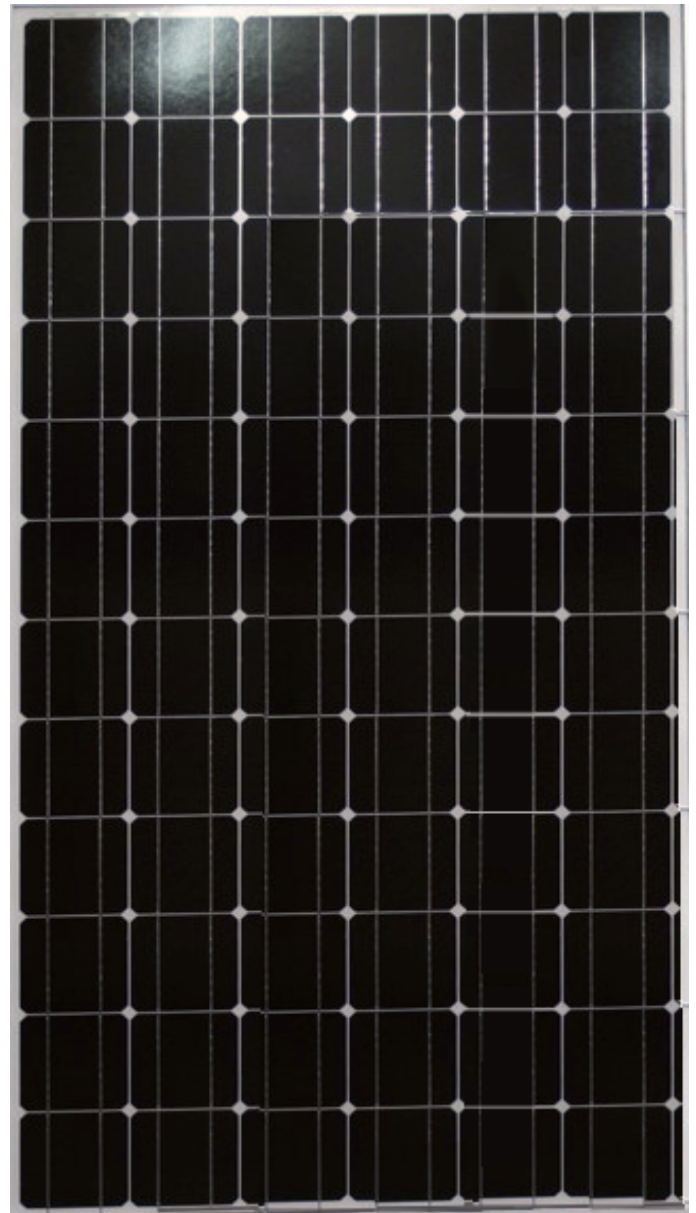
JST-M672290 290W
JST-M672285 285W
JST-M672280 280W
JST-M672275 275W
JST-M672270 270W
JST-M672265 265W

Features

- + High module conversion efficiency, through superior manufacturing technology
- + Guaranteed 0% to +3% Power Tolerance
- + Entire module certificated to withstand high wind loads and snow loads (5400Pa)
- + Anodized aluminum is mainly for improving corrosion resistance.
- + Highly transparent, low-iron, tempered glass, and antireflective coating
- + Excellent performance under low light environments

Benefits

- + 25-year warranty on power output; 10-year warranty on materials and workmanship
- + Product liability insurance
- + Local technical support
- + Local warehousing
- + 48 hour-response service
- + Enhanced design for easy installation and
- + long term reliability



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ELECTRICAL SPECIFICATIONS

Model type	JST-M672290	JST-M672285	JST-M672280	JST-M672275	JST-M672270	JST-M672265
Peak power (Pmax)	290W	285W	280W	275W	270W	265W
Cell Efficiency	17.05%	16.80%	16.47%	16.18%	15.89%	15.59%
Module Efficiency	14.95%	14.69%	14.43%	14.17%	13.92%	13.66%
Maximum power voltage (Vmp)	37.40V	37.01V	36.72V	36.72V	36.40V	36.40V
Maximum power current (Imp)	7.76A	7.70A	7.63A	7.49A	7.42A	7.28A
Open circuit voltage (Voc)	44.40V	44.10V	43.78V	43.78V	43.63V	43.63V
Short circuit current (Isc)	8.46A	8.21A	7.98A	7.96A	7.90A	7.90A
Power Tolerance	0 to +3%					
Maximum system voltage	DC 1000V					
Normal Operating Cell Temperature	45.3±2°C					
Series fuse rating (A)	15A					
Number of bypass diode	3					

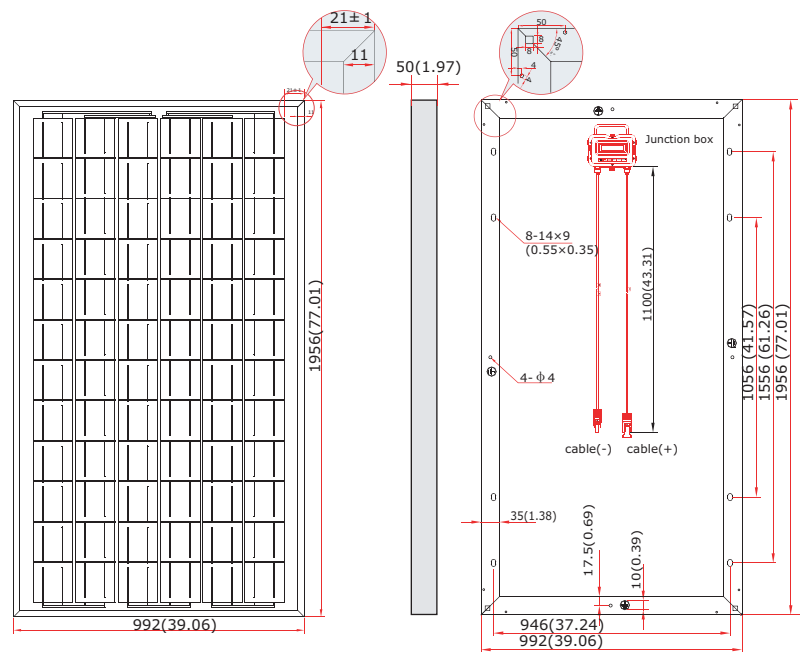
MECHANICAL SPECIFICATIONS

Cell type	156mm x 156mm
Number of cells	72 cells in series
Weight	22.86 kg (50.4 lbs)
Dimensions	1956×992×50 mm (77×39.1×1.97 inch)
Max Load	5400Pascals (112 lb/ft ²)

TEMPERATURE COEFFICIENT

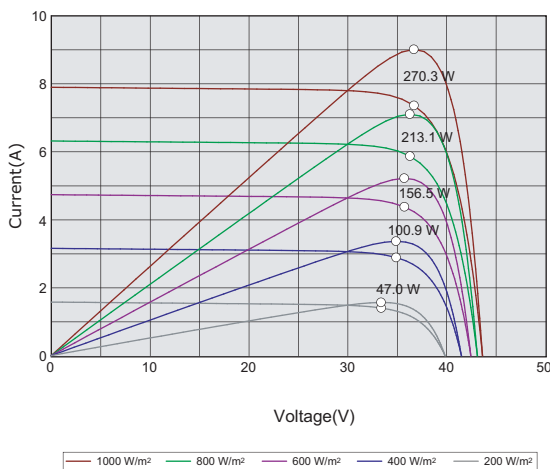
Temp. Coeff. of Isc (TK Isc)	0.065 %/°C
Temp. Coeff. of Voc (TK Voc)	-0.346 %/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.46 %/°C

PHYSICAL CHARACTERISTICS Unit:mm (inch)

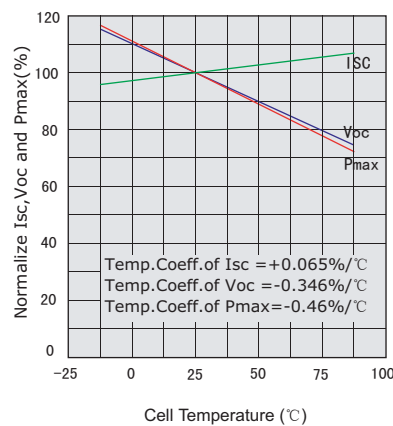


ELECTRICAL CHARACTERISTICS

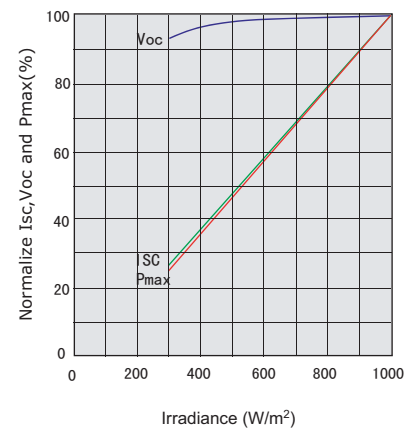
Electrical performance
(cell temperature:25°C)



Temperature dependence of Isc, Voc and Pmax



Irradiance dependence of Isc, Voc and Pmax (cell temperature:25°C)



Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25 °C. The NOCT is obtained under the Test Conditions : 800 W/m², 20°C ambient temperature, 1 m/s wind speed, AM 1.5 spectrum.

Please contact support@just-solar.net for technical support. The parameters are for reference only, and are subject to change without notice or obligation.