

Photovoltaic Module

Polycrystalline36

KEY FEATURES



High module efficiency through superior manufacturing technology



No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell



Strictly control the micro-crack of solar cells and the other non visible defect of internal modules



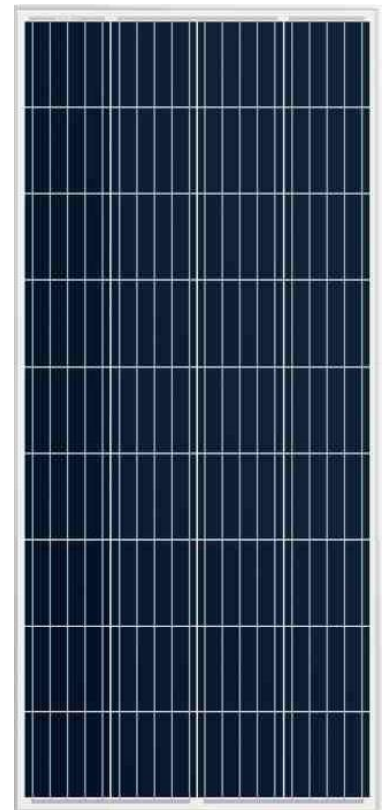
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



Manufactured according to and certified international I Quality and Environment Management System



Using advanced low reflection and high light transmission glass and cell sheet surface cutting technology, in the weak light environment can also play a good performance.



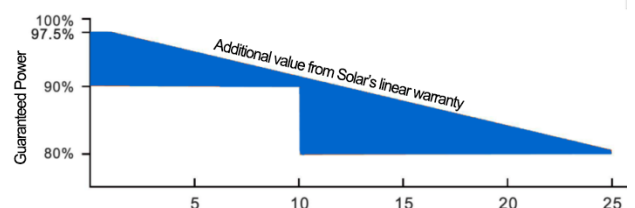
Certificates

- IEC61215, IEC61730, CQC, CE, TUV
- ISO9001:2008
- ISO14001:2004
- BSOHSAS18001:2007



Warranties

- 10 years product warranty
- 25 years power warranty



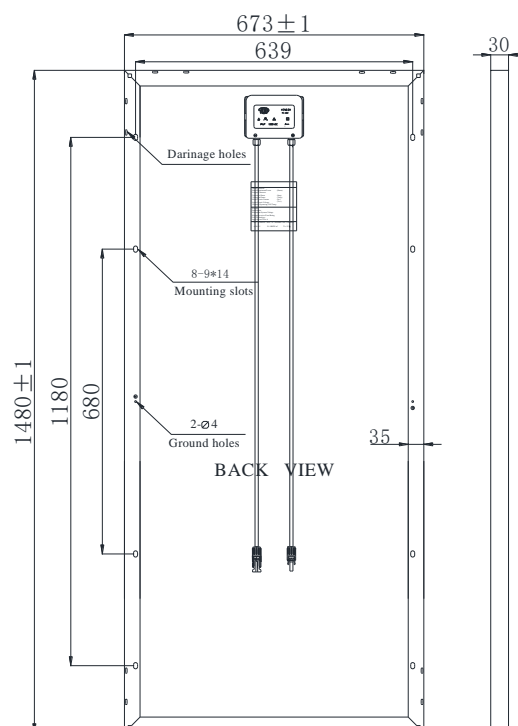
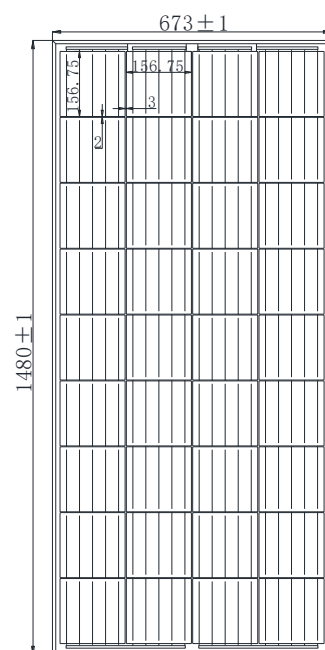
Electrical Characteristics

Model	SH-150P6-12	SH-155P6-12	SH-160P6-12	SH-165P6-12
Maximum Power at STC(Pmax)	150W	155W	160W	165W
Optimum Operating Voltage (Vmp)	18.76V	18.83V	18.90V	18.97V
Optimum Operating Current (Imp)	7.997A	8.232A	8.466A	8.697A
Open-Circuit Voltage (Voc)	23.08V	23.15V	23.22V	23.29V
Short-Circuit Current (Isc)	9.045A	9.298A	9.549A	9.799A
Solar Cell Efficiency (%)	17.46	18.05	18.63	19.21
Solar Module Efficiency (%)	15.06	15.56	16.06	16.57
Operating Temperature	-40to85℃			
Maximum System Voltage	DC1000			
Maximum Series Fuse Rating	15A			
Power Tolerance	0~+3%			
STC:Irradiance 1000W/m²,Modules Temperature 25℃,AM=1.5				

Temperature Coefficient and Mechanical Characteristics

Nominal Operating Cell Temperature (NOCT)	45℃+/-2℃
Temperature Coefficient of P _{max}	-0.41%/℃
Temperature Coefficient of V _{OC}	-0.33%/℃
Temperature Coefficient of I _{SC}	+0.067%/℃
Solar cell	Poly156.75*156.75mm
No.of cells	36 (4x9)
Dimensions	1480mm*673mm*30mm
Weight	11kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV-*****
Connector	Plug and socket
Output cables	PV 4.0mm ² ,0.9m
1*20'	490pcs
1*40'	1050pcs
1*40'HQ	1260pcs

Engineering Drawings



IV-Curves

