

Photovoltaic Module

Polycrystalline66

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



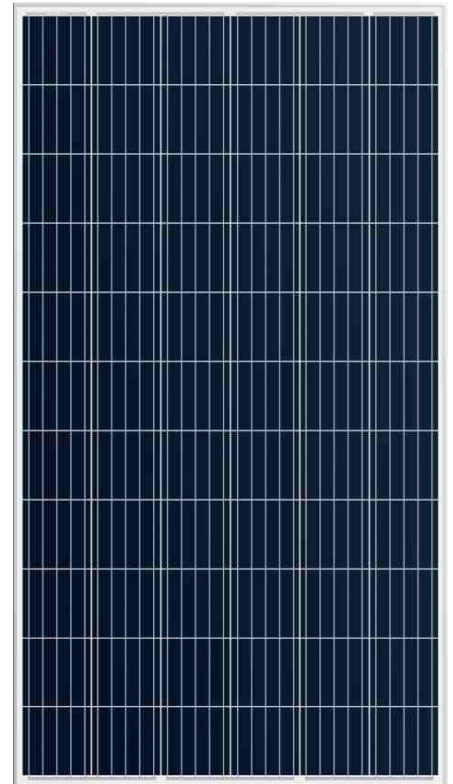
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



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.



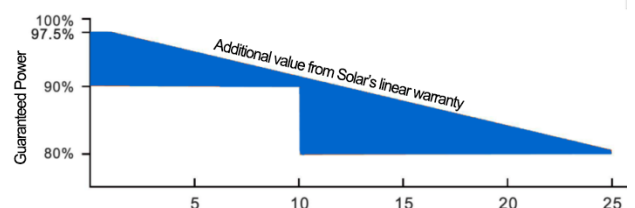
Certificates

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



Warranties

- 10 years product warranty
- 25 years power warranty



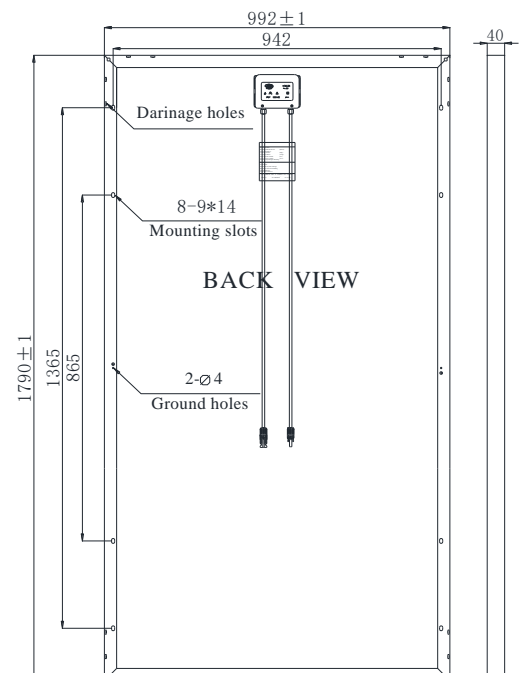
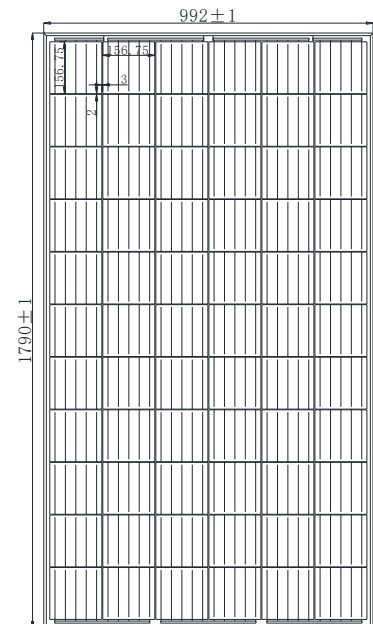
Electrical Characteristics

Model	SH-285P6-22	SH-290P6-22	SH-295P6-22	SH-300P6-22	SH-305P6-22
Maximum Power at STC(Pmax)	285W	290W	295W	300W	305W
Optimum Operating Voltage (Vmp)	34.47V	34.54V	34.61V	34.68V	34.76V
Optimum Operating Current (Imp)	8.269A	8.397A	8.523A	8.650A	8.776A
Open-Circuit Voltage (Voc)	42.39V	42.46V	42.53V	42.60V	42.68V
Short-Circuit Current (Isc)	9.599A	9.736A	9.873A	10.009A	10.145A
Solar Cell Efficiency (%)	18.73	19.05	18.73	19.05	19.37
Solar Module Efficiency (%)	16.61	16.89	16.61	16.89	17.18
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	66 (6*11)
Dimensions	1790mm*992mm*40mm
Weight	20.5kg
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'	312pcs
1*40'	624pcs
1*40'HQ	672pcs

Engineering Drawings



IV-Curves

