

Photovoltaic Module

Polycrystalline54

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



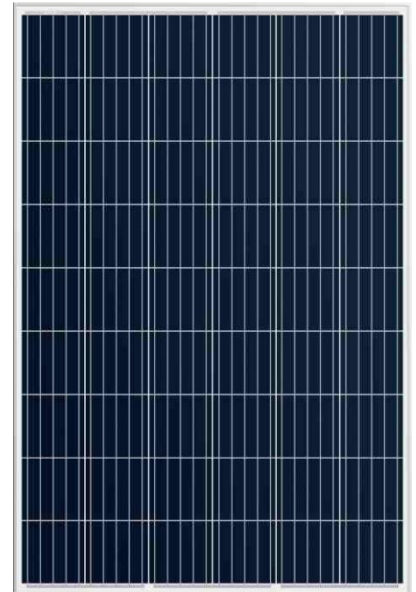
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



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.



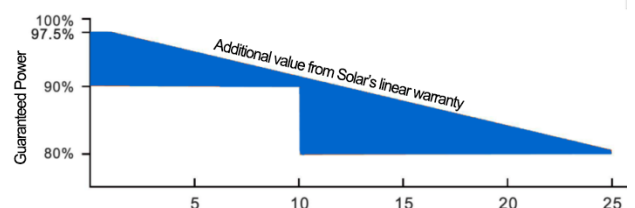
Certificates

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



Warranties

- 10 years product warranty
- 25 years power warranty



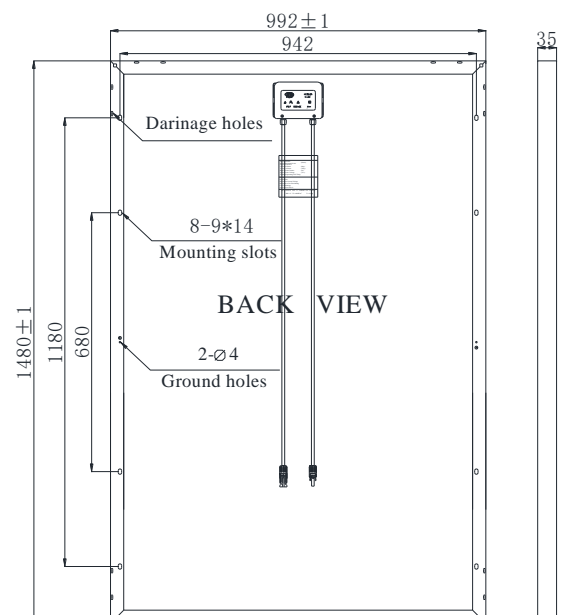
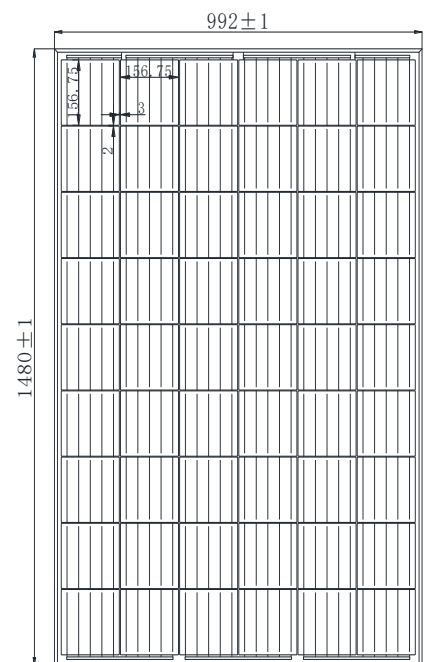
Electrical Characteristics

Model	SH-230P6-18	SH-235P6-18	SH-240P6-18	SH-245P6-18	SH-250P6-18
Maximum Power at STC(Pmax)	230W	235W	240W	245W	250W
Optimum Operating Voltage (Vmp)	28.18V	28.25V	28.32V	28.39V	28.46V
Optimum Operating Current (Imp)	8.161A	8.318A	8.474A	8.629A	8.783A
Open-Circuit Voltage (Voc)	34.66V	34.73V	34.80V	34.87V	34.94V
Short-Circuit Current (Isc)	9.384A	9.553A	9.721A	9.888A	10.055A
Solar Cell Efficiency (%)	17.85	18.24	18.63	19.02	19.40
Solar Module Efficiency (%)	15.64	15.98	16.32	16.67	17.01
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	54 (6×9)
Dimensions	1480mm*992mm*35mm
Weight	17kg
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'	308pcs
1*40'	660pcs
1*40'HQ	750pcs

Engineering Drawings



IV-Curves

