

Photovoltaic Module

Monocrystalline36

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.



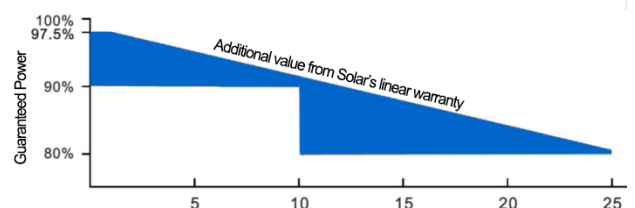
Certificates

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



Warranties

- 10 years product warranty
- 25 years power warranty

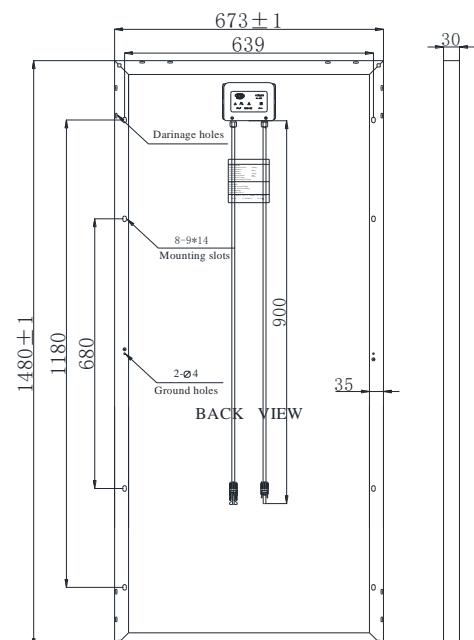
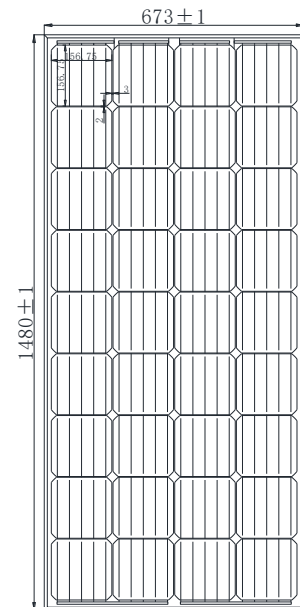


Electrical Characteristics

Model	SH-160S6-12	SH-165S6-12	SH-170S6-12	SH-175S6-12	SH-180S6-12
Maximum Power at STC(Pmax)	160W	165W	170W	175W	180W
Optimum Operating Voltage (Vmp)	18.92V	18.99V	19.06V	19.13V	19.21V
Optimum Operating Current (Imp)	8.458A	8.689A	8.918A	9.146A	9.370A
Open-Circuit Voltage (Voc)	23.31V	23.38V	23.45V	23.53V	23.61V
Short-Circuit Current (Isc)	10.012A	10.261A	10.409A	10.455A	10.509A
Solar Cell Efficiency (%)	18.60	19.18	19.76	20.34	20.96
Solar Module Efficiency (%)	16.06	16.57	17.07	17.57	18.07
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 Engineering Drawings

Nominal Operating Cell Temperature (NOCT)	45℃+/-2℃
Temperature Coefficient of P _{max}	-0.41%/℃
Temperature Coefficient of V _{OC}	-0.34%/℃
Temperature Coefficient of I _{SC}	+0.06%/℃
Solar cell	Mono156.75*156.75mm
No.of cells	36 (4×9)
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



IV-Curves

