

Photovoltaic Module

Monocrystalline48

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.



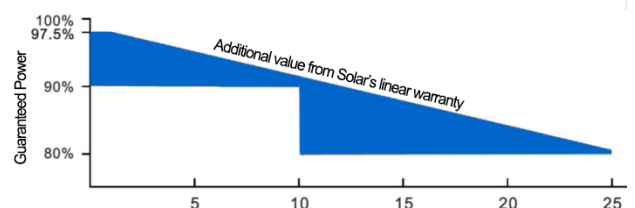
Certificates

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



Warranties

- 10 years product warranty
- 25 years power warranty

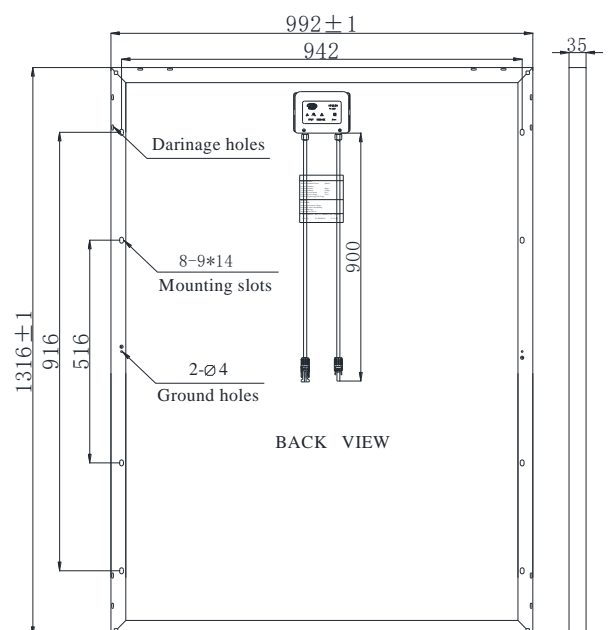
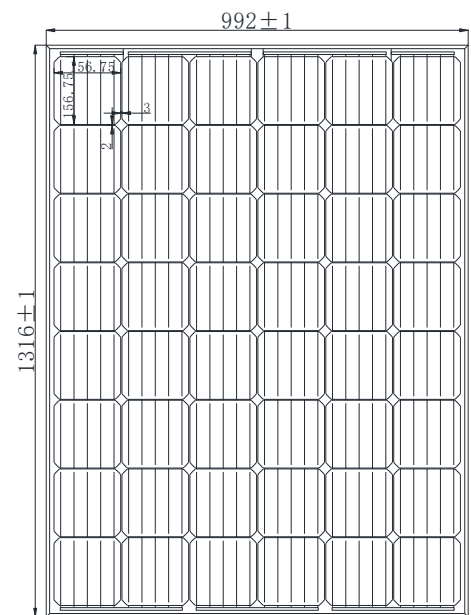


Electrical Characteristics

Model	SH-220S6-16	SH-225S6-16	SH-230S6-16	SH-235S6-16	SH-240S6-16
Maximum Power at STC(Pmax)	220W	225W	230W	235W	240W
Optimum Operating Voltage (Vmp)	25.31V	25.38V	25.44V	25.51V	25.59V
Optimum Operating Current (Imp)	8.692A	8.866A	9.039A	9.211A	9.382A
Open-Circuit Voltage (Voc)	31.17V	31.23V	31.30V	31.37V	31.44V
Short-Circuit Current (Isc)	10.204A	10.391A	10.578A	10.763A	10.998A
Solar Cell Efficiency (%)	19.18	19.62	20.05	20.49	20.96
Solar Module Efficiency (%)	16.85	17.24	17.62	18.00	18.38
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	48(6x8)
Dimensions	1316mm*992mm*35mm
Weight	15kg
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'	448pcs
1*40'	946pcs
1*40'HQ	1042pcs



IV-Curves

