

# Photovoltaic Module Monocrystalline54

## 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.



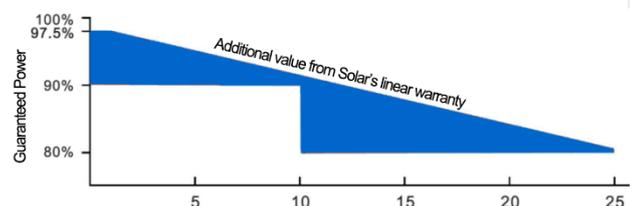
## Certificates

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



## Warranties

- 10 years product warranty
- 25 years power warranty



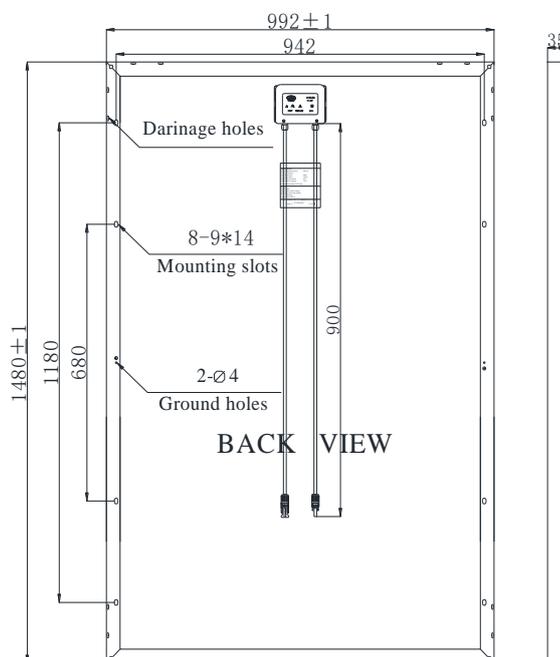
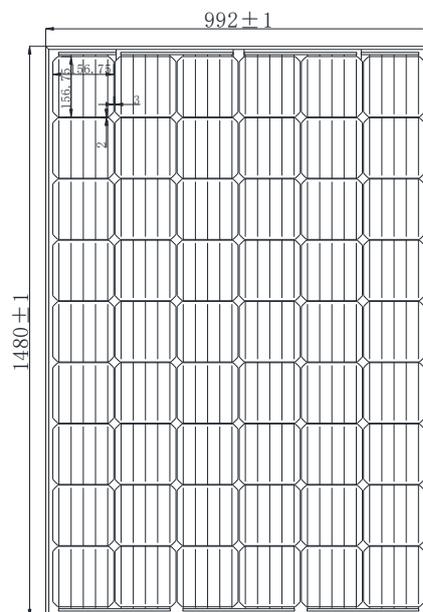
## Electrical Characteristics

Model	SH-250S6-18	SH-255S6-18	SH-260S6-18	SH-265S6-18	SH-270S6-18
Maximum Power at STC(Pmax)	250W	255W	260W	265W	270W
Optimum Operating Voltage (Vmp)	28.49V	28.56V	28.63V	28.70V	28.77V
Optimum Operating Current (Imp)	8.775A	8.928A	9.081A	9.233A	9.385A
Open-Circuit Voltage (Voc)	35.08V	35.15V	35.22V	35.29V	35.36V
Short-Circuit Current (Isc)	10.262A	10.428A	10.593A	10.757A	10.971A
Solar Cell Efficiency (%)	19.37	19.76	20.15	20.54	20.96
Solar Module Efficiency (%)	17.01	17.35	17.69	18.03	18.37
Operating Temperature	-40to85°C				
Maximum System Voltage	DC1000				
Maximum Series Fuse Rating	15A				
Power Tolerance	0~+3%				
STC:Irradiance 1000W/m <sup>2</sup> ,Modules Temperature 25°C,AM=1.5					

## Temperature Coefficient and Mechanical Characteristics

Nominal Operating Cell Temperature (NOCT)	45°C+/-2°C
Temperature Coefficient of Pmax	-0.41%/°C
Temperature Coefficient of VOC	-0.34%/°C
Temperature Coefficient of ISC	+0.06%/°C
Solar cell	Mono156.75*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 <sup>2</sup> ,0.9m
1*20'	420pcs
1*40'	900pcs
1*40'HQ	990pcs

## Engineering Drawings



## IV-Curves

