

# Photovoltaic Module

## Polycrystalline42

### 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.



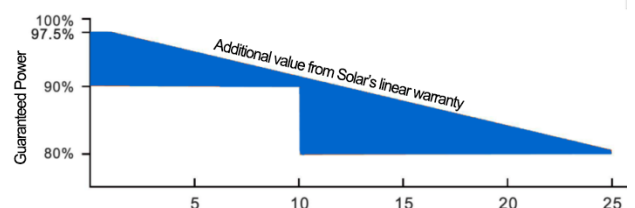
### Certificates

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



### Warranties

- 10 years product warranty
- 25 years power warranty



## Electrical Characteristics

Model	SH-175P6-14	SH-180P6-14	SH-185P6-14	SH-190P6-14	SH-195P6-14
Maximum Power at STC(Pmax)	175W	180W	185W	190W	195W
Optimum Operating Voltage (Vmp)	21.92V	21.99V	22.05V	22.11V	22.18V
Optimum Operating Current (Imp)	7.982A	8.187A	8.390A	8.592A	8.793A
Open-Circuit Voltage (Voc)	26.96V	27.03V	27.09V	27.15V	27.22V
Short-Circuit Current (Isc)	9.045A	9.264A	9.483A	9.700A	9.917A
Solar Cell Efficiency (%)	17.46	17.96	18.46	18.96	19.46
Solar Module Efficiency (%)	15.27	15.71	16.15	16.58	17.02
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 <sub>max</sub>	-0.41%/℃
Temperature Coefficient of V <sub>OC</sub>	-0.33%/℃
Temperature Coefficient of I <sub>SC</sub>	+0.067%/℃
Solar cell	Poly156.75*156.75mm
No.of cells	42 (6×7)
Dimensions	1155mm*992mm*35mm
Weight	13kg
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'	498pcs
1*40'	1064pcs
1*40'HQ	1178pcs

## IV-Curves

