

High Efficiency PV Modules / Solar Panels

PolyCrystalline Solar Panel, 320 Watts

FEATURES

- ◆ High module efficiency through superior manufacturing technology.
- ◆ No power loss thanks to improved temperature coefficient 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.
- ◆ 10 years product warranty.
25 years power warranty.

APPLICATIONS

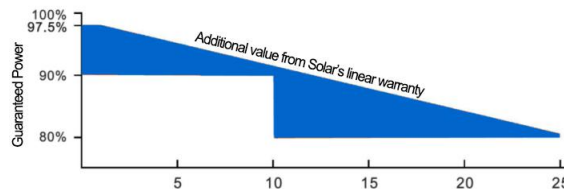
- ◆ Secondary Home Power System / Remote Power Electrical Power Back-Up System
- ◆ On-Grid Commercial / Industrial Rooftops
- ◆ Off-Grid Power System
- ◆ Marine & Boating
- ◆ Recreational vehicle or Motor Homes / Cabins
- ◆ Battery Charging
- ◆ Pumps / Pool Heating
- ◆ Beacons / Satellite Dishes



SLR-PNL-320W-101P

Maximum Power at STC(Pmax)	320W
Optimum Operating Voltage (Vmp)	37.62V
Optimum Operating Current (Imp)	8.51A
Open-Circuit Voltage (Voc)	44.84V
Short-Circuit Current (Isc)	9.515A
Solar Cell Efficiency (%)	18.63
Solar Module Efficiency (%)	16.49
Operating Temperature	-40to85°C
Maximum System Voltage	DC1000
Maximum Series Fuse Rating	15A
Power Tolerance	0~+3%

STC: Irradiance 1000W/m², Modules Temperature 25°C, AM=1.5



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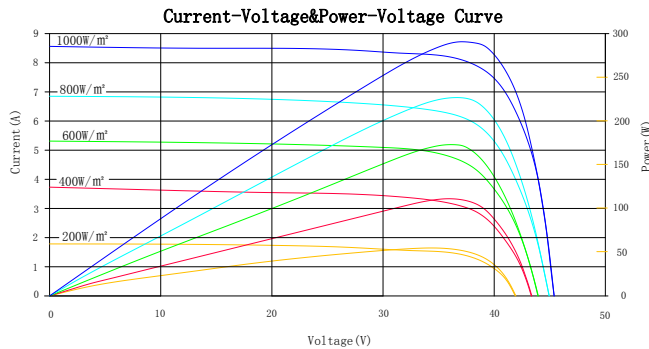
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Temperature Coefficient and Mechanical Characteristics

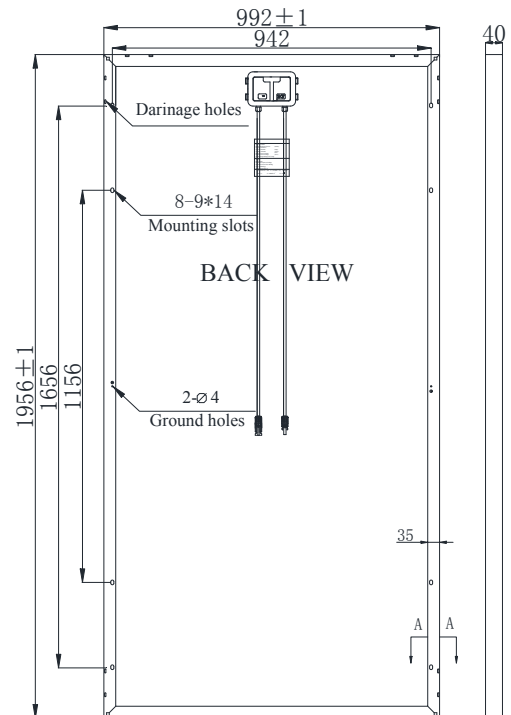
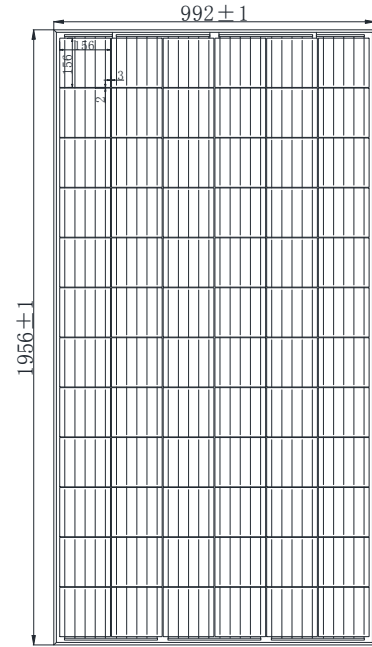
Nominal Operating Cell Temperature (NOCT)	47°C +/- 2°C
Temperature Coefficient of Pmax	-0.47%/°C
Temperature Coefficient of VOC	-0.346%/°C
Temperature Coefficient of ISC	+0.036%/°C

Solar cell	Poly156*156mm
No. of cells	72 (6*12)
Dimensions	1956mm*992mm*40mm
Weight	22kg
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'	250pcs
1*40'	514pcs
1*40'HQ	580pcs

IV-Curves



Engineering Drawings



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