

# High Efficiency PV Modules / Solar Panels

PolyCrystalline Solar Panel, 270 Watts

## FEATURES

- ◆ High module efficiency through superior manufacturing technology.
- ◆ No power loss thanks to improved temperature coefficient caused by 4 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

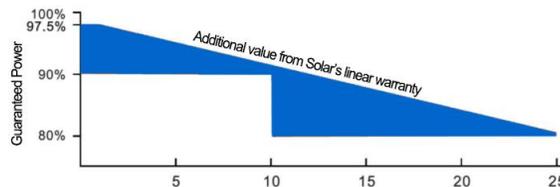
- ◆ Secondary Home Power System / Remote Power Electrical Power Back-Up System
- ◆ On-Grid Commercial / Industrial Rooftops
- ◆ Off-Grid Power System
- ◆ Marine & Boating
- ◆ Recreational vehicle or Motor Homes / Cabins
- ◆ Battery Charging
- ◆ Pumps / Pool Heating
- ◆ Beacons / Satellite Dishes



## SLR-PNL-270W-101P

Maximum Power at STC (Pmax)	270W
Optimum Operating Voltage (Vmp)	30.94V
Optimum Operating Current (Imp)	8.73A
Open-Circuit Voltage (Voc)	37.94V
Short-Circuit Current (Isc)	9.489A
Solar Cell Efficiency (%)	18.86
Solar Module Efficiency (%)	16.6
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



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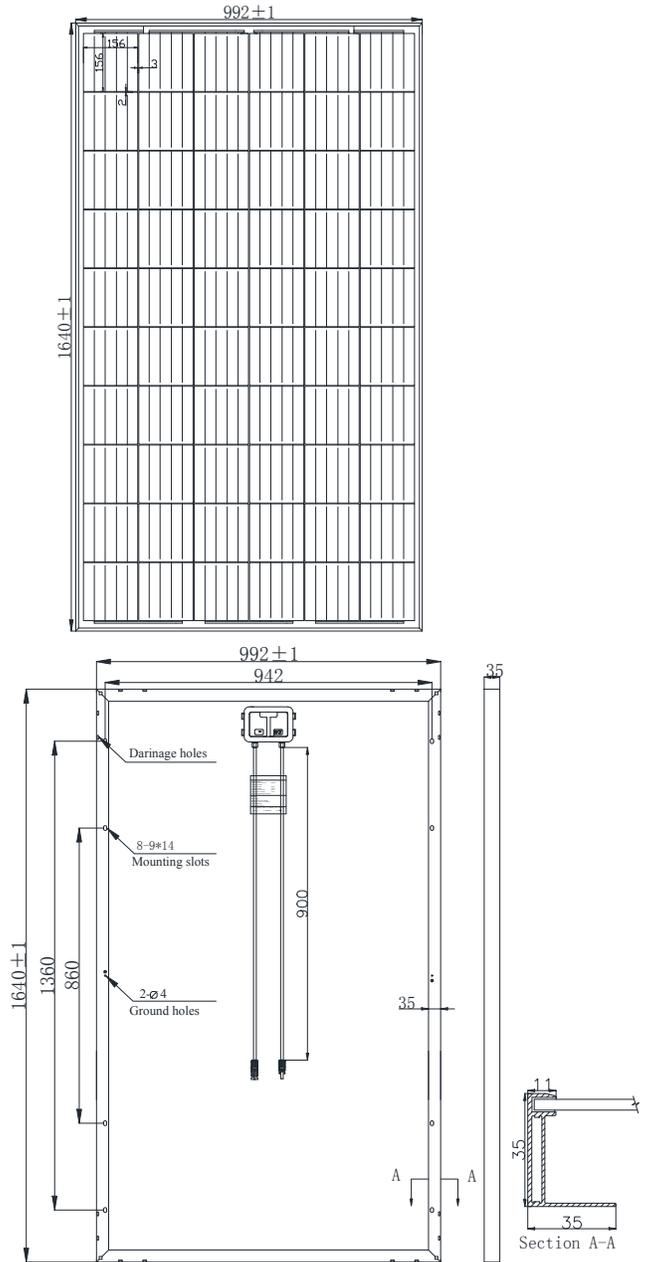
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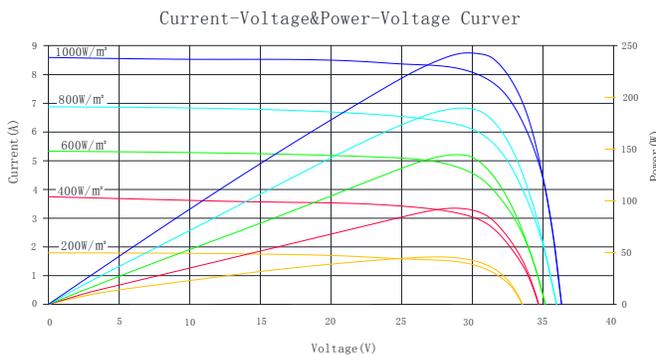
## Temperature Coefficient and Mechanical Characteristics

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	60 (6*10)
Dimensions	1640mm*992mm*35mm
Weight	19kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP65/IP67 rated
Connector	Plug and socket
Output cables	PV 4.0mm <sup>2</sup> , 0.9m
1*20'	/
1*40'	/
1*40'HQ	900pcs

## Engineering Drawings



## IV-Curves



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