

Photovoltaic Module Polycrystalline60

KEY FEATURES



High module efficiency through superior manufacturing technology



No power loss thanks to improved temperature co-efficient caused by 4 or 5 busbar solar cell



Strictly control the micro-crack of solar cells and the other non visible defect of internal modules



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Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa

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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.

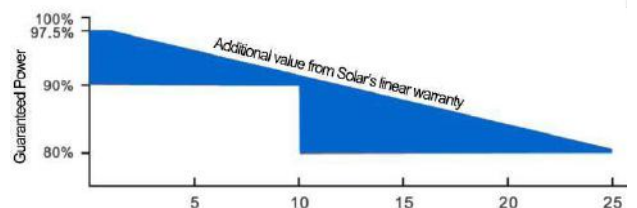
Certificates

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



Warranties

- 10 years product warranty
- 25 years power warranty



Electrical Characteristics

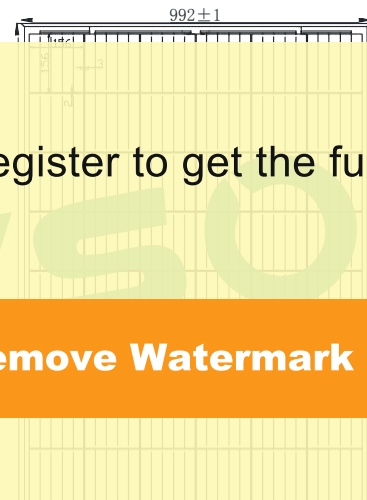
Model	NS-280P6
Maximum Power at STC(Pmax)	280W
Optimum Operating Voltage (Vmp)	31.19V
Optimum Operating Current (Imp)	8.98A
Open-Circuit Voltage (Voc)	37.44V
Short-Circuit Current (Isc)	9.97A
Solar Cell Efficiency (%)	19.53
Solar Module Efficiency (%)	17.21
Operating Temperature	-40to85℃
Maximum System 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

Nominal Operating Cell Temperature (NOCT)	47℃ +/-2℃
Temperature Coefficient of Pmax	-0.47%/℃
Temperature Coefficient of VOC	-0.346%/℃
Solar Cell	Polycrystalline 156mm
Front Glass	3.2mm tempered glass
Frame	Anodized aluminium alloy

Engineering Drawings



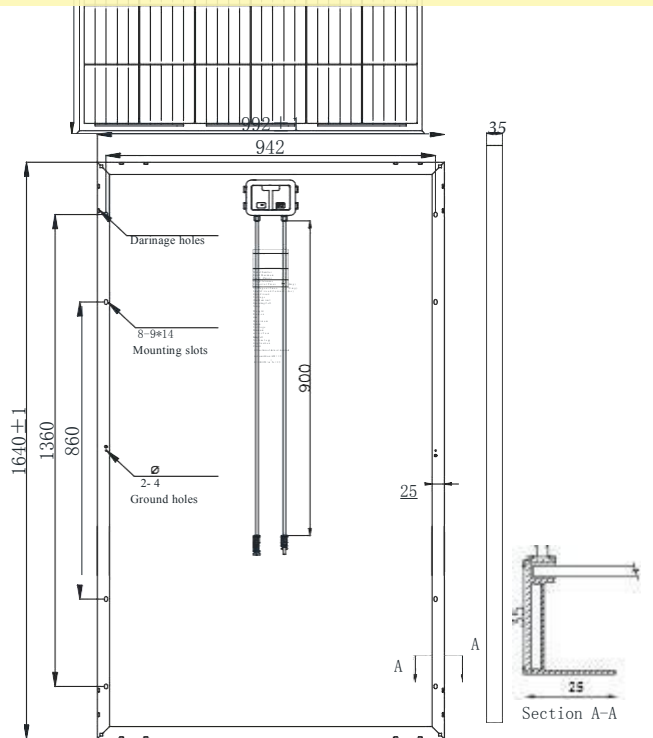
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Junction box	IP67 rated
Connector	MC4 connector
Output cables	PV 4.0mm ² ,0.9m
1*20'	350pcs
1*40'	/
1*40'HQ	900pcs



IV-Curves

