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Solar Panel Guide Specification Data Sheet

**PolyCrown Solar Tech
NS-300-345S6-72
NS-300S6**

Also available on the web at
EnergyPal.com/polycrown-solar-tech-solar-panels/ns-300s6



Photovoltaic Module Monocrystalline72

KEY FEATURES



High module efficiency through superior manufacturing technology



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



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



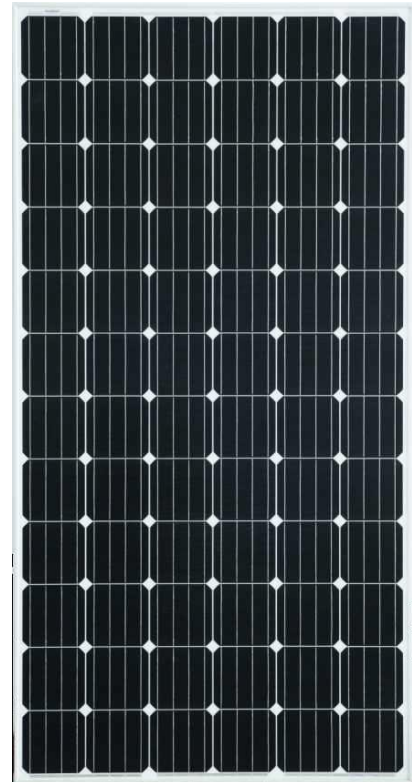
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



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.

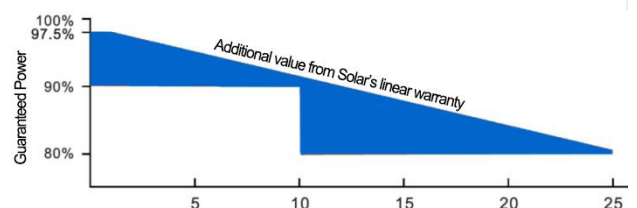


Certificates

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

Warranties

- 10 years product warranty
- 25 years power warranty



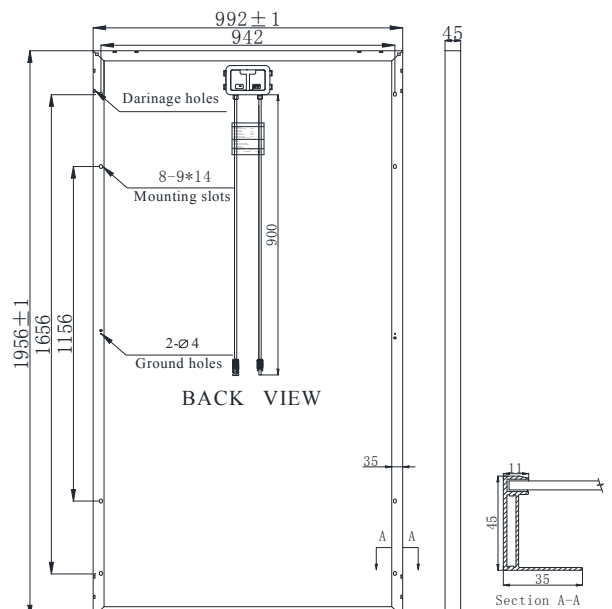
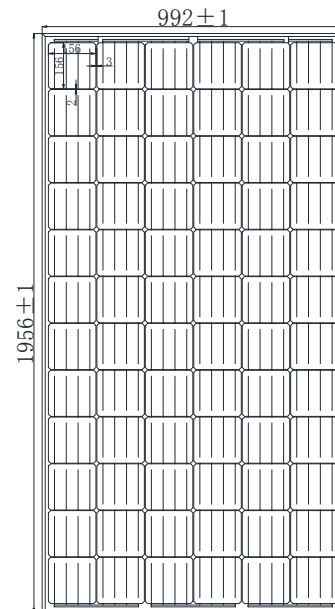
Electrical Characteristics

Model	NS-315S6	NS-320S6	NS-325S6	NS-330S6	NS-335S6
Maximum Power at STC(Pmax)	315W	320W	325W	330W	335W
Optimum Operating Voltage (Vmp)	37.63V	37.82V	37.84V	37.87V	37.88V
Optimum Operating Current (Imp)	8.373A	8.461A	8.589A	8.716A	8.844A
Open-Circuit Voltage (Voc)	44.82V	44.84V	44.86V	44.88V	44.9V
Short-Circuit Current (Isc)	9.371A	9.515A	9.66A	804A	9.948A
Solar Cell Efficiency (%)	18.31	18.60	18.89	19.18	19.47
Solar Module Efficiency (%)	16.23	16.49	16.75	17.01	17.26
Operating Temperature	-40to85°C				
Maximum System Voltage	DC1000				
Maximum Series Fuse Rating	15A				
Power Tolerance	0~+3%				
STC:Irradiance 1000W/m ² ,Modules Temperature 25°C,AM=1.5					

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	Mono156*156mm
No.of cells	72 (6*12)
Dimensions	1956mm*992mm*45mm
Weight	24kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV--YH0906/PV-JB002
Connector	Plug and socket
Output cables	PV 4.0mm ² ,0.9m
1*20'	250pcs
1*40'	514pcs
1*40'HQ	580pcs

Engineering Drawings



IV-Curves

