

Photovoltaic Module

Monocrystalline72

KEY FEATURES



High module efficiency through superior manufacturing technology



Due to the use of multi-busbar solar cells, the temperature coefficient has been improved, resulting in no power loss.



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.



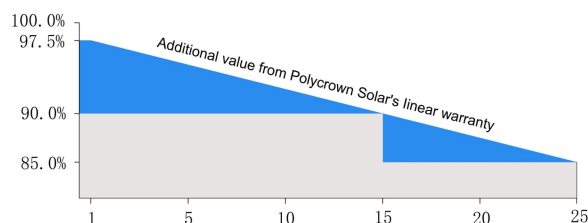
Certificates

- IEC61215, IEC61730, CQC, CE, TUV
- ISO9001:2015
- ISO14001:2015
- ISO45001:2018



Warranties

- 15 years product warranty
- 25 years power warranty



Ningbo Polycrown
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Electrical Characteristics



Polycrown Solar

Model	NS-260MH-72	NS-270MH-72	NS-280MH-72	NS-290MH-72	NS-300MH-72
Maximum Power at STC(Pmax)	260W	270W	280W	290W	300W
Optimum Operating Voltage (Vmp)	18.52V	18.82V	19.12V	19.32V	19.72V
Optimum Operating Current (Imp)	14.04A	14.35A	14.65A	15.02A	15.22A
Open-Circuit Voltage (Voc)	22.48V	22.78V	23.08V	23.28V	23.68V
Short-Circuit Current (Isc)	14.82A	15.19A	15.35A	15.97A	16.24A
Solar Cell Efficiency (%)	22.23	23.09	23.79	24.56	25.41
Solar Module Efficiency (%)	20.21	20.99	21.76	22.54	23.32
Operating Temperature			-40to85℃		
Maximum System Voltage			DC1500V		
Maximum Series Fuse Rating			25A		
Power Tolerance			0~+3%		
STC:Irradiance 1000W/m²,Modules Temperature 25℃,AM=1.5					

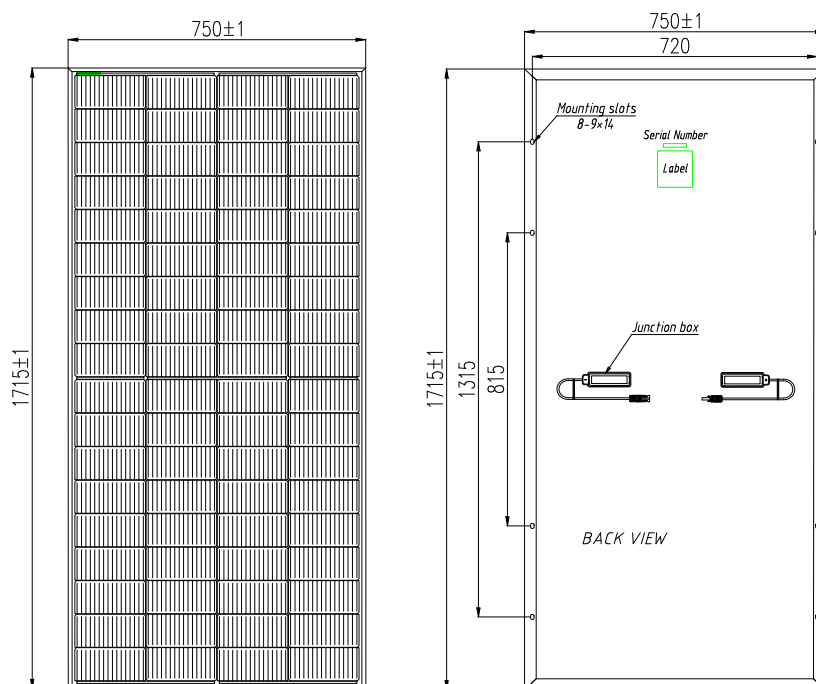
Temperature Coefficient

NOCT	45℃±2℃
Temperature Coefficient of Pmax	-0.29%/℃
Temperature Coefficient of VOC	-0.25%/℃
Temperature Coefficient of ISC	0.045%/℃

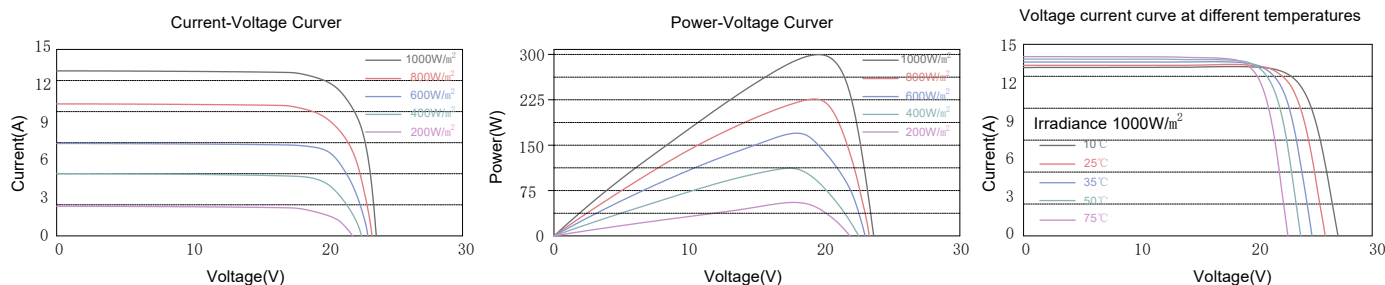
Mechanical Characteristics

No. of cells	72(4×9+4×9)
Dimensions	1715mm*750mm*30mm
Weight	12.5kg ±3%
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	IP68, three diodes
Connector	Plug and socket
Output cables	PV 4.0mm ²
1*40'HQ	2 pcs/ Packages, 1620pcs/ 40'HQ;

Engineering Drawings



IV-Curves



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