

Photovoltaic Module Monocrystalline80

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.



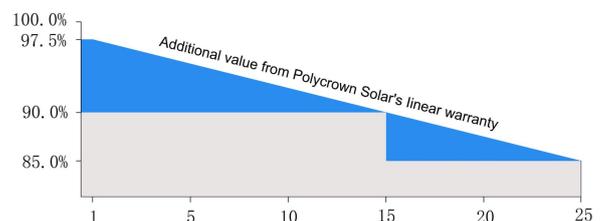
Certificates

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



Warranties

- 15 years product warranty
- 25 years power warranty



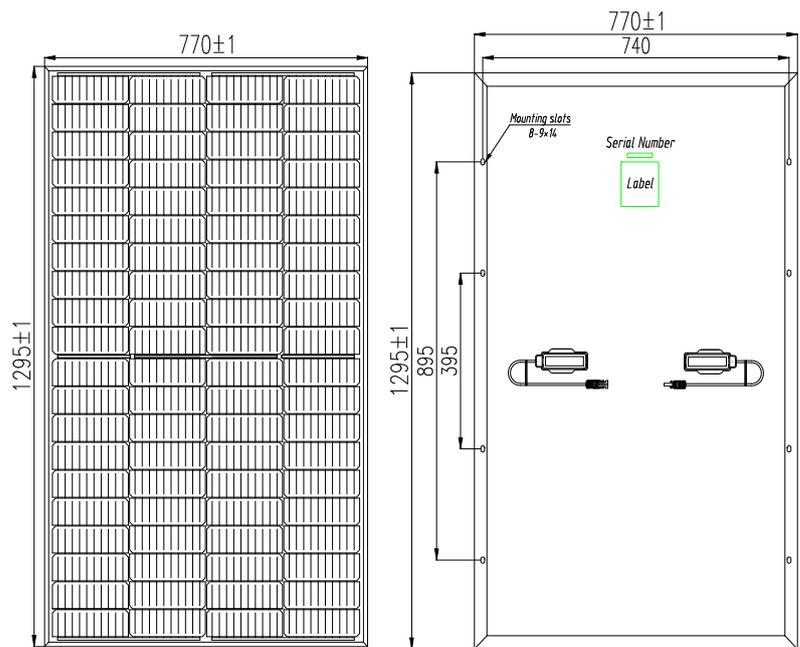
Electrical Characteristics

Model	NS-200MH-80	NS-210MH-80	NS-220MH-80
Maximum Power at STC(Pmax)	200W	210W	220W
Optimum Operating Voltage (Vmp)	22.20V	22.40V	22.80V
Optimum Operating Current (Imp)	9.01A	9.38A	9.65A
Open-Circuit Voltage (Voc)	25.88V	26.08V	26.48V
Short-Circuit Current (Isc)	9.907A	10.32A	10.65A
Solar Cell Efficiency (%)	22.94	23.88	25.01
Solar Module Efficiency (%)	20.05	21.06	22.06
Operating Temperature	-40to85°C		
Maximum System Voltage	DC1000V		
Maximum Series Fuse Rating	15A		
Power Tolerance	0~+3%		
STC:Irradiance 1000W/m ² , Modules Temperature 25°C, AM=1.5			

Temperature Coefficient

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

Engineering Drawings



Mechanical Characteristics

No. of cells	80(4×10×4×10)
Dimensions	1295mm*770mm*30mm
Weight	10.5kg ±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	37 pcs/Pallet, 1600pcs/ 40'HQ;

IV-Curves

