

Photovoltaic Module Monocrystalline132

KEY FEATURES



High module efficiency through superior manufacturing technology



N-type solar cells are selected to maximize module conversion efficiency



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



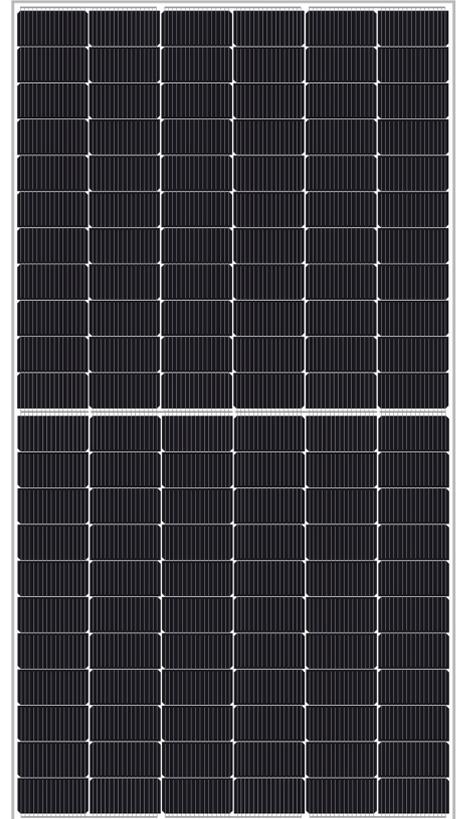
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



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.



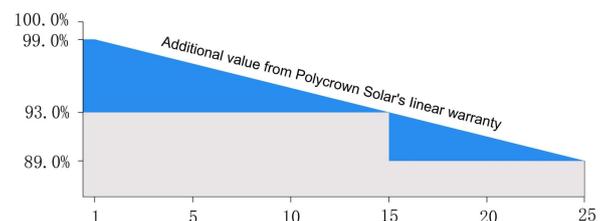
Certificates

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



Warranties

- 15 years product warranty
- 25 years power warranty



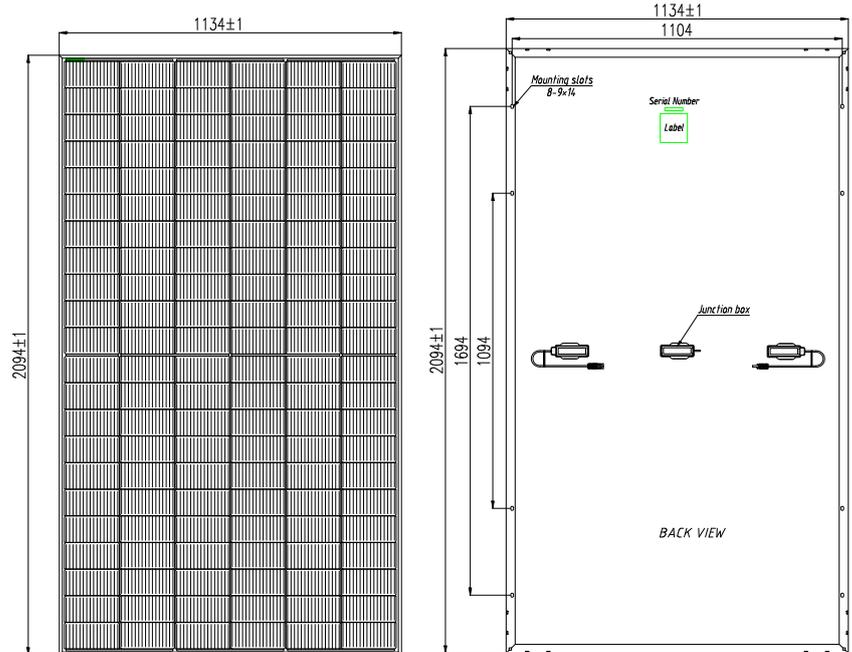
Electrical Characteristics

Model	NS-500MH-132	NS-510MH-132	NS-520MH-132	NS-530MH-132	NS-540MH-132	NS-550MH-132
Maximum Power at STC(Pmax)	500W	510W	520W	530W	540W	550W
Optimum Operating Voltage (Vmp)	37.68V	38.08V	38.38V	38.58V	38.78V	38.98V
Optimum Operating Current (Imp)	13.27A	13.40A	13.55A	13.74A	13.93A	14.11A
Open-Circuit Voltage (Voc)	45.21V	45.61V	46.01V	46.41V	46.61V	47.21V
Short-Circuit Current (Isc)	14.17A	14.33A	14.49A	14.64A	14.85A	14.93A
Solar Cell Efficiency (%)	23.17	23.63	24.10	24.57	25.03	25.49
Solar Module Efficiency (%)	21.05	21.47	21.90	22.32	22.74	23.16
Operating Temperature	-40to85°C					
Maximum System Voltage	DC1500V					
Maximum Series Fuse Rating	25A					
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	132(6×11+6×11)
Dimensions	2094mm*1134mm*30mm
Weight	24.0kg ±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, 814 pcs/ 40'HQ;

IV-Curves

