

Photovoltaic Module Monocrystalline132

KEY FEATURES



High module efficiency through superior manufacturing technology



N-type solar cells have higher output power and higher conversion efficiency



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



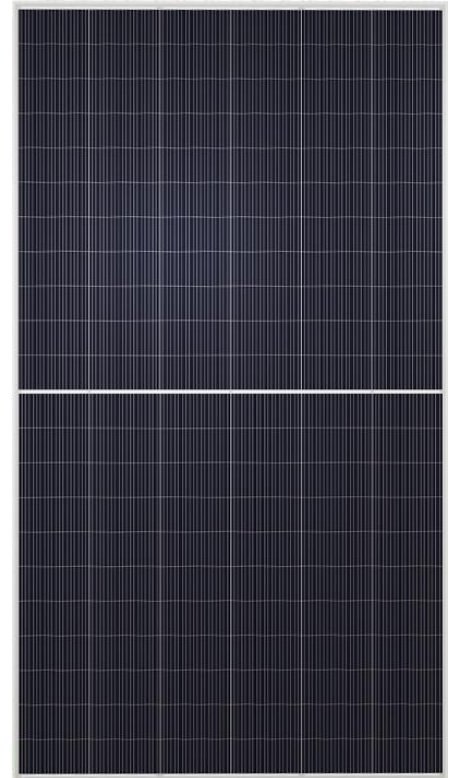
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



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.



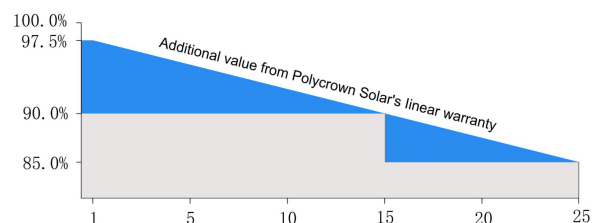
Certificates

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



Warranties

- 15 years product warranty
- 25 years power warranty



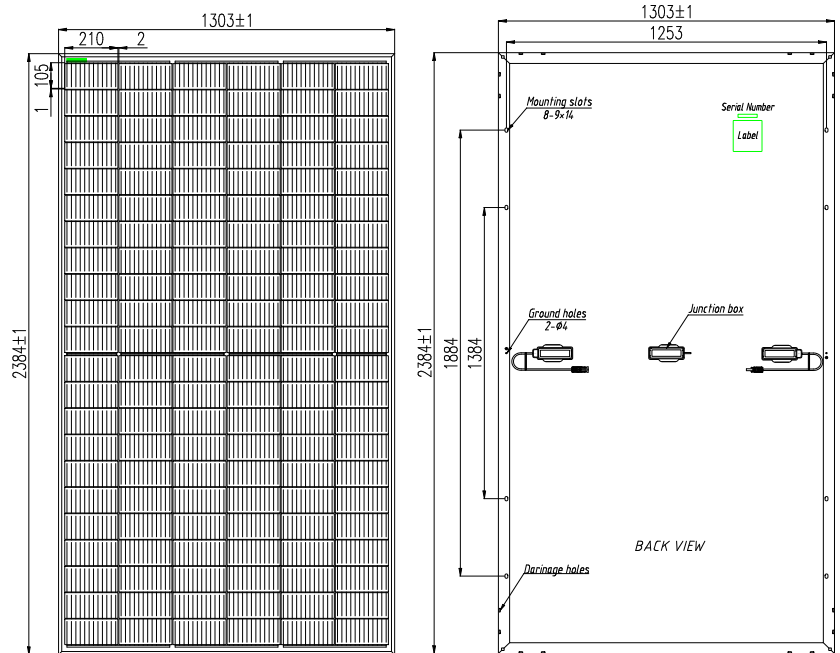
Electrical Characteristics

Model	NS-670MH-132	NS-675MH-132	NS-680MH-132	NS-685MH-132	NS-690MH-132
Maximum Power at STC(Pmax)	670W	675W	680W	685W	690W
Optimum Operating Voltage (Vmp)	38.70V	38.79V	38.88V	38.97V	39.06V
Optimum Operating Current (Imp)	17.32A	17.41A	17.49A	17.58A	17.67A
Open-Circuit Voltage (Voc)	45.80V	45.89V	45.98V	46.07V	46.16V
Short-Circuit Current (Isc)	18.76A	18.86A	18.96A	19.06A	19.16A
Solar Cell Efficiency (%)	23.24	23.42	23.59	23.77	23.94
Solar Module Efficiency (%)	21.56	21.72	21.89	22.05	22.21
Operating Temperature	-40to85°C				
Maximum System Voltage	DC1500V				
Maximum Series Fuse Rating	30A				
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	2384mm*1303mm*35mm
Weight	33kg
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	31 pcs/Pallet, 527pcs/ 40'HQ;

IV-Curves

