

Photovoltaic Module Monocrystalline120

KEY FEATURES



High module efficiency through superior manufacturing technology



N-type solar cells are chosen to optimize the conversion efficiency of the module.



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



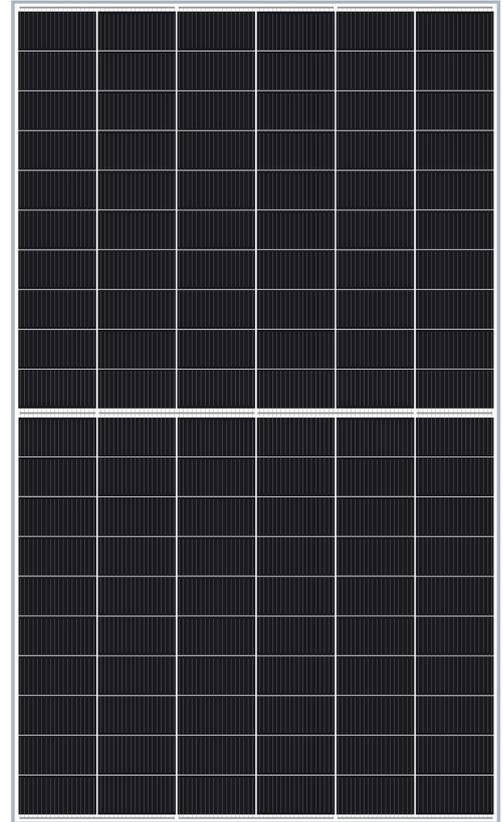
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



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.



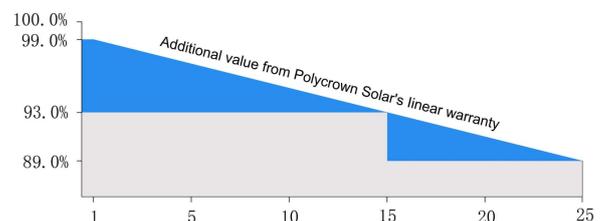
Certificates

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



Warranties

- 15 years product warranty
- 25 years power warranty



Electrical Characteristics

Model	NS-620MH-120	NS-630MH-120	NS-640MH-120	NS-650MH-120	NS-660MH-120
Maximum Power at STC(Pmax)	620W	630W	640W	650W	660W
Optimum Operating Voltage (Vmp)	37.06V	37.36V	37.66V	37.96V	38.26V
Optimum Operating Current (Imp)	16.73A	16.87A	17.00A	17.13A	17.26A
Open-Circuit Voltage (Voc)	44.87V	45.03V	45.19V	45.35V	45.51V
Short-Circuit Current (Isc)	17.27A	17.49A	17.70A	17.92A	18.13A
Solar Cell Efficiency (%)	23.66	24.04	24.42	24.81	25.19
Solar Module Efficiency (%)	21.90	22.26	22.61	22.96	23.32
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					

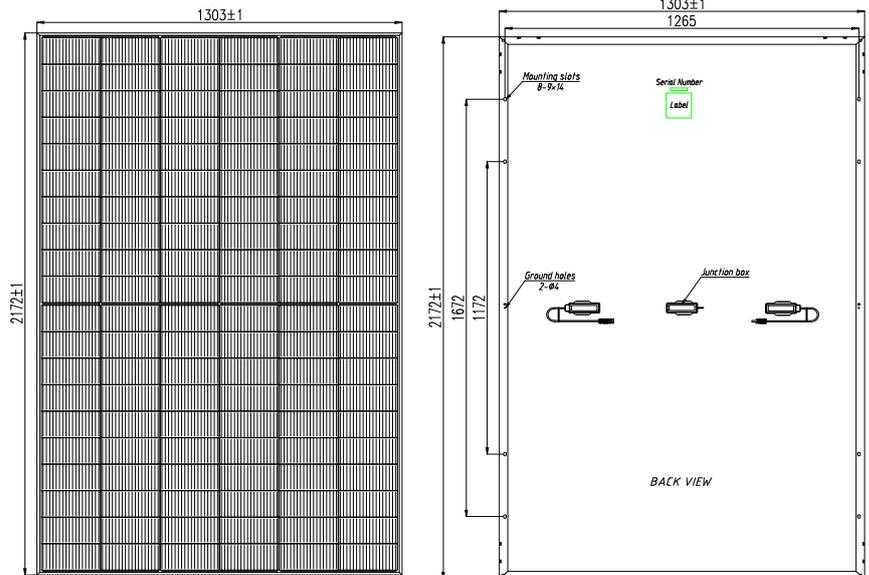
Temperature Coefficient

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

Mechanical Characteristics

No.of cells	120(6×10+6×10)
Dimensions	2172mm*1303mm*30mm
Weight	31kg ±3%
Front glass	3.2mm tempered glass
Junction box	IP68, three diodes
Connector	Plug and socket
Output cables	PV 4.0mm ²
1*40'HQ	37 pcs/Pallet, 666pcs/ 40'HQ;

Engineering Drawings



IV-Curves

