

Photovoltaic Module Monocrystalline120

KEY FEATURES



10-30% Additional Power Generation
30 years lifespan brings 10-30% additional power



ZERO LID (Light Induced Degradation)
N-type solar cell has no LID naturally which can increase power generation



Excellent low temperature coefficient, generating 1%-2% more electricity in high-temperature areas.



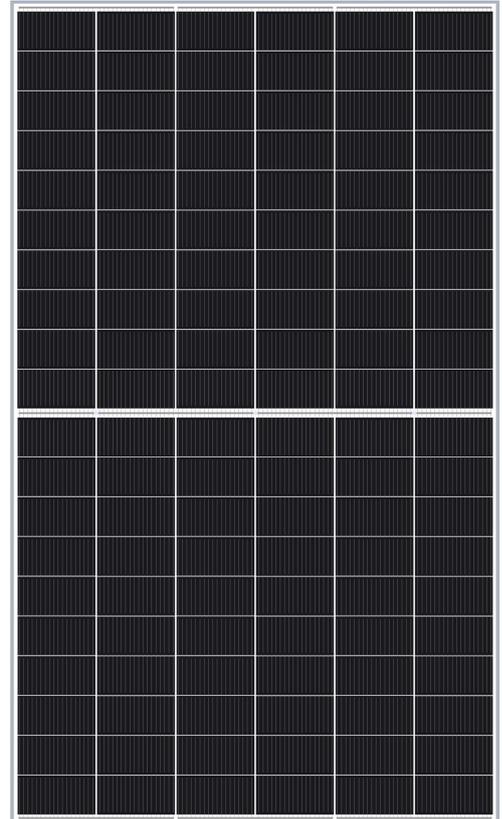
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



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.



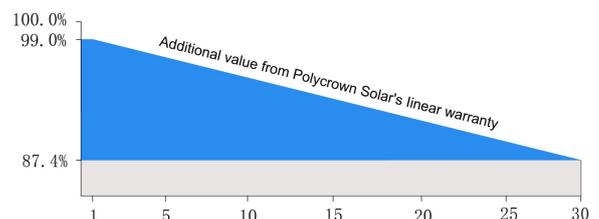
Certificates

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



Warranties

- 15 years product warranty
- 30 years power warranty



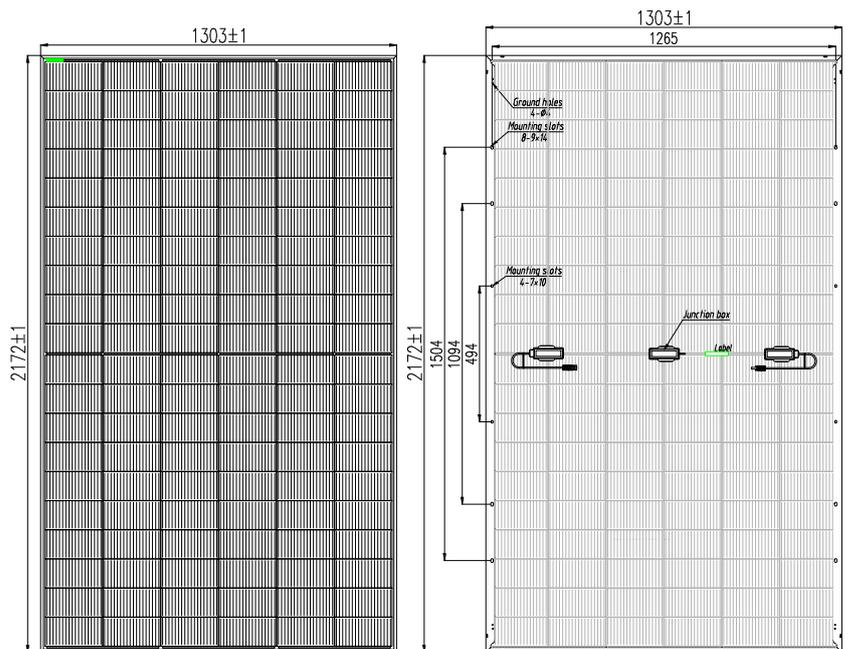
Electrical Characteristics

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

Engineering Drawings



Mechanical Characteristics

No. of cells	120(6×10+6×10)
Dimensions	2172mm*1303mm*30mm
Weight	35.2kg ±3%
Front Glass	2mm Tempered glass
Back Glass	2mm Heat Strengthened
Frame	Anodized aluminium alloy
Connector	Plug and socket
Output cables	PV 4.0mm ²
1*40'HQ	36 pcs/Pallet, 666pcs/ 40'HQ;

IV-Curves

