

Photovoltaic Module Monocrystalline 120

KEY FEATURES



High module efficiency through superior manufacturing technology



No power loss thanks to improved temperature co-efficient caused by 12 busbar solar cell



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



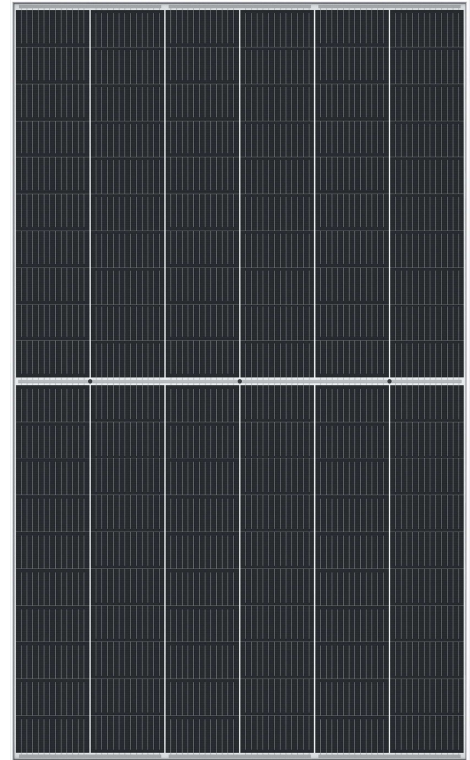
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



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.



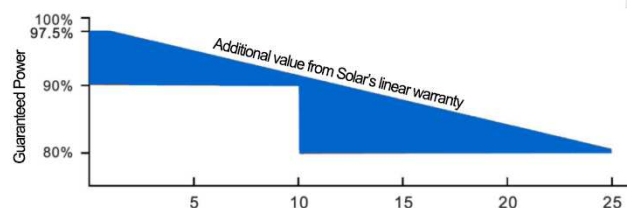
Certificates

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



Warranties

- 10 years product warranty
- 25 years power warranty



Ningbo Polycrown
Solar Tech Co., Ltd



No.363 Xiani Bridge, Xiaojia River Rd.,
Xiaogang Street, Ningbo, China



0086-13967820346



(86)574-56261160



ada@polycrown-solar.com



www.polycrown-solar.com

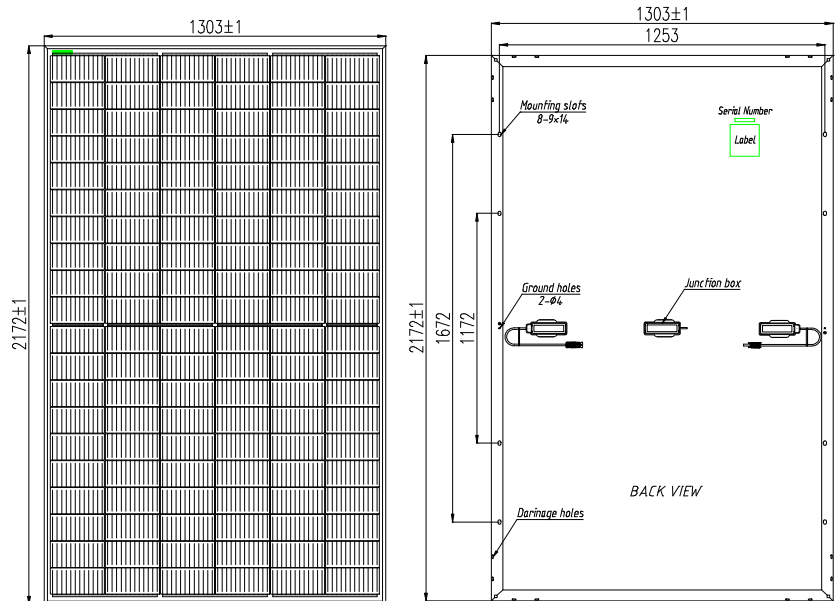
Electrical Characteristics

Model	NS-590MH-120	NS-595MH-120	NS-600MH-120	NS-605MH-120	NS-610MH-120
Maximum Power at STC(Pmax)	590W	595W	600W	605W	610W
Optimum Operating Voltage (Vmp)	34.38V	34.58V	34.78V	34.98V	35.18V
Optimum Operating Current (Imp)	17.17A	17.21A	17.26A	17.30A	17.34A
Open-Circuit Voltage (Voc)	40.83V	41.03V	41.23V	41.43V	41.63V
Short-Circuit Current (Isc)	18.52A	18.59A	18.65A	18.72A	18.78A
Solar Cell Efficiency (%)	22.52	22.71	22.9	23.09	23.28
Solar Module Efficiency (%)	20.84	21.02	21.20	21.37	21.55
Operating Temperature	-40to85℃				
Maximum System Voltage	DC1500V				
Maximum Series Fuse Rating	30A				
Power Tolerance	0~+3%				
STC:Irradiance 1000W/m ² ,Modules Temperature 25℃,AM=1.5					

Temperature Coefficient

NOCT	45℃ ± 2℃
Temperature Coefficient of Pmax	-0.34%/℃
Temperature Coefficient of VOC	-0.26%/℃
Temperature Coefficient of ISC	+0.05%/℃

Engineering Drawings



Mechanical Characteristics

No. of cells	120(6×10+6×10)
Dimensions	2172mm*1303mm*35mm
Weight	31.3kg
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, 558 pcs/ 40'HQ;

IV-Curves

