

Photovoltaic Module Monocrystalline132

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



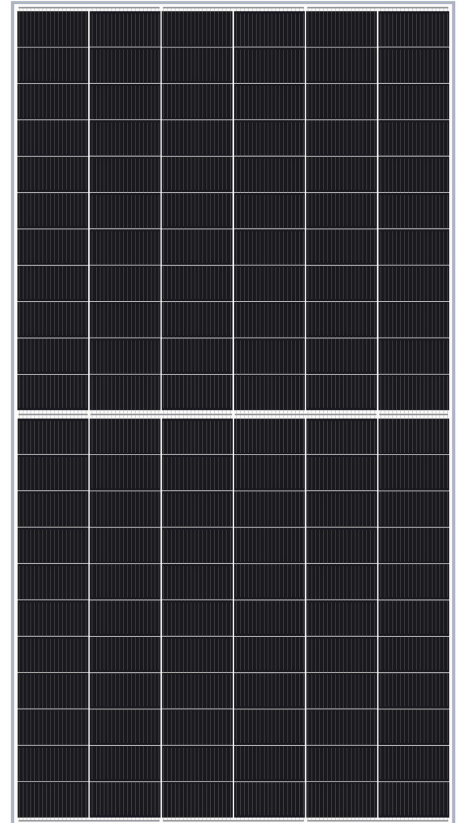
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



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.



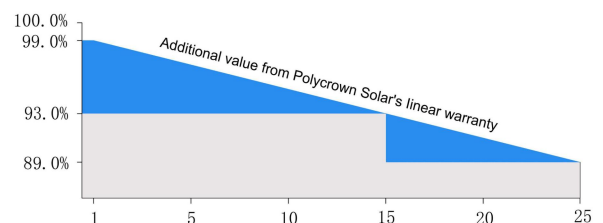
Certificates

- 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-690MH-132	NS-700MH-132	NS-710MH-132	NS-720MH-132	NS-730MH-132
Maximum Power at STC(Pmax)	690W	700W	710W	720W	730W
Optimum Operating Voltage (Vmp)	40.99V	41.29V	41.59V	41.89V	42.19V
Optimum Operating Current (Imp)	16.84A	16.96A	17.08A	17.19A	17.31A
Open-Circuit Voltage (Voc)	49.52V	49.68V	49.84V	50.00V	50.16V
Short-Circuit Current (Isc)	17.42A	17.61A	17.81A	18.00A	18.19A
Solar Cell Efficiency (%)	23.94	24.29	24.63	24.98	25.33
Solar Module Efficiency (%)	22.21	22.53	22.85	23.17	23.50
Operating Temperature			-40to85℃		
Maximum System Voltage			DC1500V		
Maximum Series Fuse Rating			30A		
Power Tolerance			0~+3%		
STC:Irradiance 1000W/m²,Modules Temperature 25℃,AM=1.5					

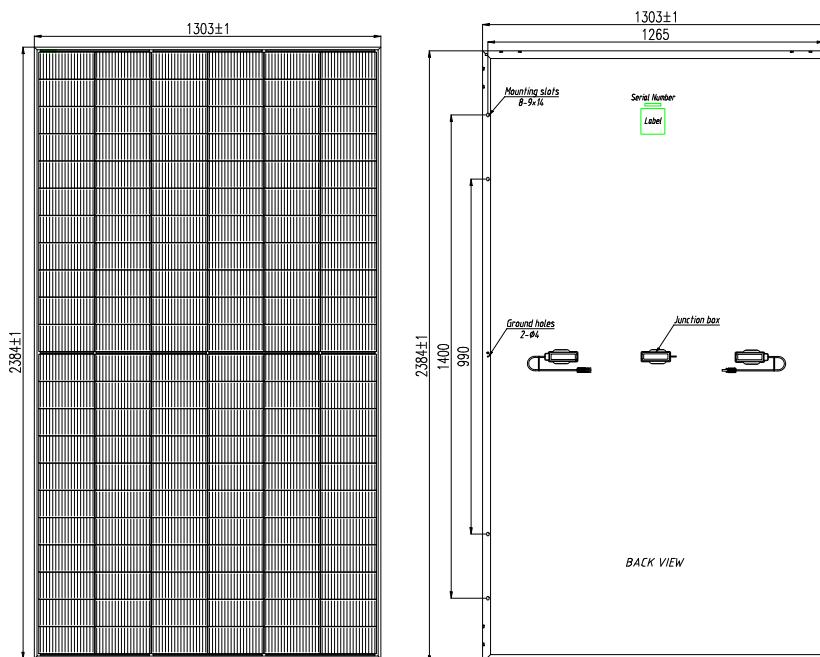
Temperature Coefficient

NOCT	45℃±2℃
Temperature Coefficient of Pmax	-0.29%/℃
Temperature Coefficient of VOC	-0.25%/℃
Temperature Coefficient of ISC	0.045%/℃

Mechanical Characteristics

No. of cells	132(6×11+6×11)
Dimensions	2384mm*1303mm*30mm
Weight	34kg ±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, 666pcs/ 40'HQ;

Engineering Drawings



IV-Curves

