

Photovoltaic Module Monocrystalline132

KEY FEATURES



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



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



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



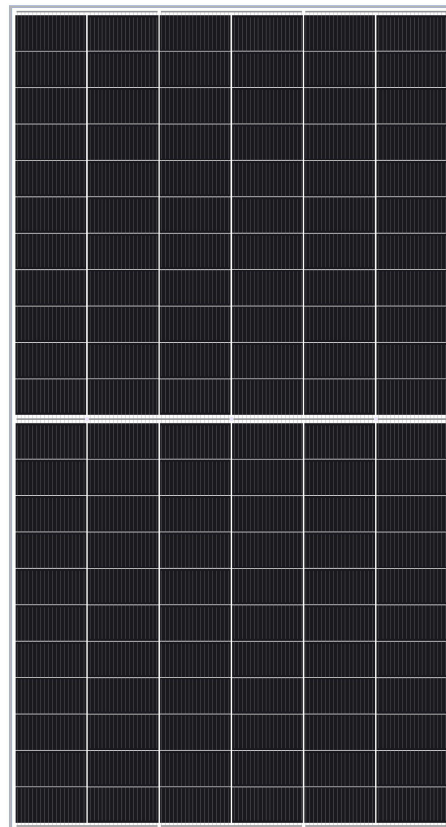
Module can bear snow loads up to 5400Pa
and wind loads up to 2400Pa



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.



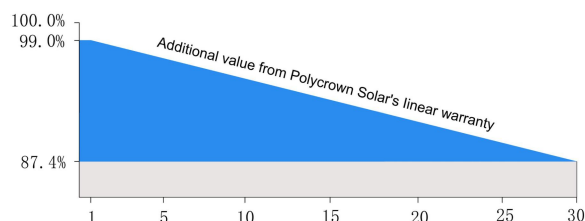
Certificates

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



Warranties

- 15 years product warranty
- 30 years power warranty



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Electrical Characteristics

Model	NS-650MH-132	NS-655MH-132	NS-660MH-132	NS-665MH-132	NS-670MH-132
Maximum Power at STC(Pmax)	650W	655W	660W	665W	670W
Optimum Operating Voltage (Vmp)	37.9V	38.1V	38.3V	38.5V	38.7V
Optimum Operating Current (Imp)	17.16A	17.20A	17.24A	17.28A	17.32A
Open-Circuit Voltage (Voc)	45.0V	45.2V	45.4V	45.6V	45.8V
Short-Circuit Current (Isc)	18.51A	18.57A	18.63A	18.69A	18.76A
Solar Cell Efficiency (%)	22.55	22.72	22.90	23.07	23.24
Solar Module Efficiency (%)	20.92	21.08	21.24	21.40	21.56
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					

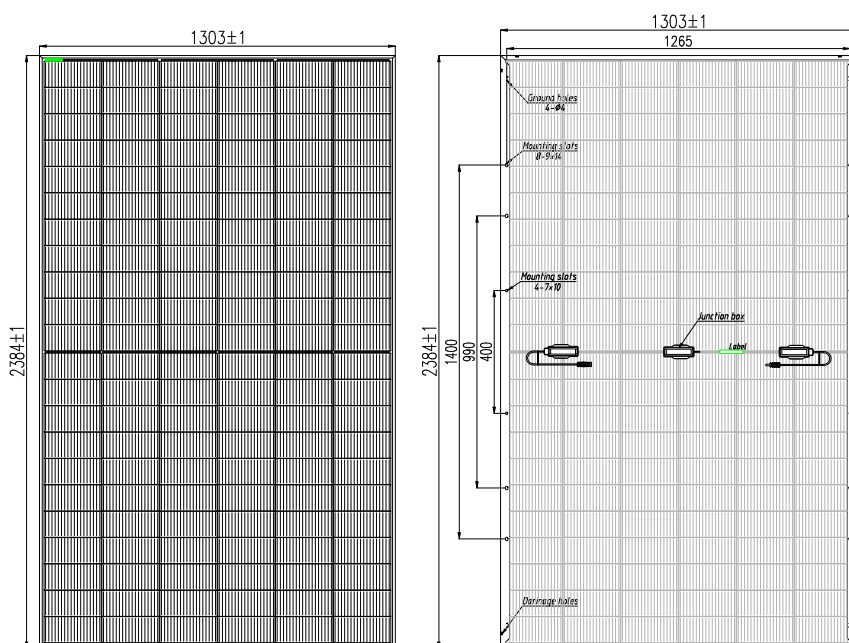
Temperature Coefficient

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	38.7kg ±3%
Front glass	2mm+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

