

Photovoltaic Module Monocrystalline132

KEY FEATURES



High module efficiency through superior manufacturing technology



No power loss thanks to improved temperature co-efficient caused by 10 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.



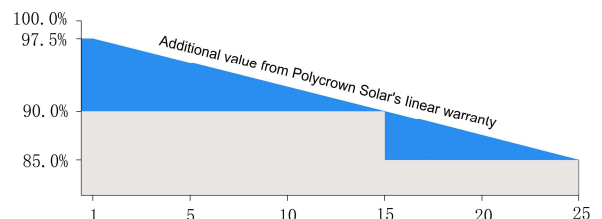
Certificates

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



Warranties

- 15 years product warranty
- 25 years power warranty



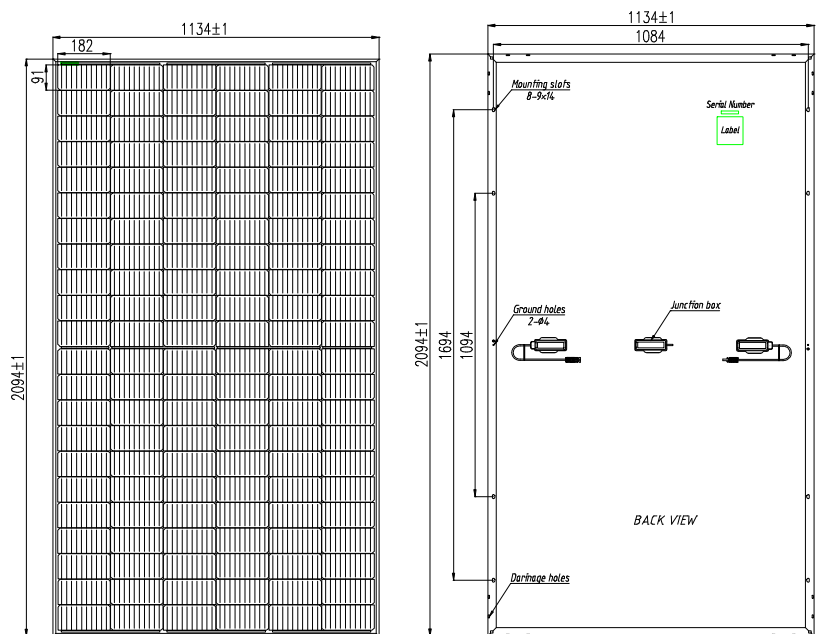
Electrical Characteristics

Model	NS-490MH-132	NS-495MH-132	NS-500MH-132	NS-505MH-132	NS-510MH-132
Maximum Power at STC(Pmax)	490W	495W	500W	505W	510W
Optimum Operating Voltage (Vmp)	37.28V	37.48V	37.68V	37.88V	38.08V
Optimum Operating Current (Imp)	13.15A	13.21A	13.27A	13.34A	13.40A
Open-Circuit Voltage (Voc)	44.81V	45.01V	45.21V	45.41V	45.61V
Short-Circuit Current (Isc)	14.01A	14.09A	14.17A	14.25A	14.33A
Solar Cell Efficiency (%)	22.71	22.94	23.17	23.41	23.63
Solar Module Efficiency (%)	20.63	20.84	21.05	21.26	21.47
Operating Temperature	-40to85℃				
Maximum System Voltage	DC1500V				
Maximum Series Fuse Rating	25A				
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	132(6×11+6×11)
Dimensions	2094mm*1134mm*35mm
Weight	23.0kg
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, 682 pcs/ 40'HQ;

IV-Curves

