

Mono 182

PMH430W~460W-120M182

Half Cut Cell Solar Module



Multiple Main Grid Design

Better light utilization and current collection capability, effectively improve product power output and reliability.

Anti PID Guarantee

The attenuation rate caused by PID phenomenon is minimized by battery production technology optimization and material control.

Adaptability To Harsh Environments

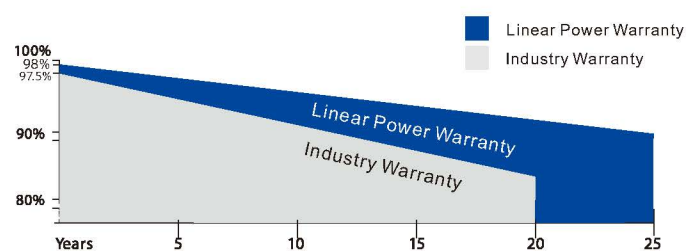
Third party certification through high salt spray and high ammonia corrosion test.

Capacity Of Load

The whole assembly passes 2400Pa wind load and 5400Pa snow load.

Quality Guarantee

5-Year Warranty for Materials and Processing
25-Year Warranty for Extra linear Power Output



Specifications

Solar Cell (Type/Sizes)	Mono(182mm)
Solar Cells Number	120Pcs(6*10*2)
Dimensions	1909*1134*35mm
Weight	23.9KG/Pcs
Structure	3.2 Glass+EVA Film+Back
Frame	Anodized aluminum alloy
Junction Box	IP68/3*Bypass Diode
Cable Cross Section Size	4.0mm ² /300mm
Mechanical Load	Front 5400Pa/Back 2400Pa
Packing Number	31Pcs/Pallet
Carton Size	1939*1125*1250mm
40'HQ Container	744 Pcs

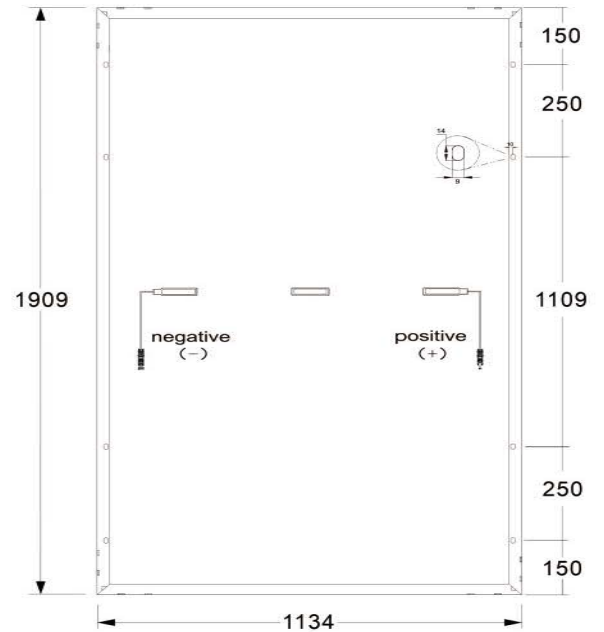
Electrical Parameters at STC

Module Type	PMH430W	PMH440W	PMH445W	PMH450W	PMH455W	PMH460W
Rate Maximum Power (Pmax)	430W	440W	445W	450W	455W	460W
Module Efficiency	19.90%	20.30%	20.60%	20.80%	21.10%	21.2%
Voltage at Pmax (Vmp)	33.89V	34.28V	34.48V	34.67V	34.87V	35.07V
Current at Pmax (Imp)	12.69A	12.84A	12.91A	12.98A	13.05A	13.12A
Open Circuit Voltage (Voc)	40.65V	40.95V	41.10V	41.25V	41.40V	41.55V
Short Circuit Current (Isc)	13.59A	13.74A	13.82A	13.89A	13.97A	14.04A
Power Tolerance	0~+5W					
Temperature Coefficient of Isc	+0.046%/°C					
Temperature Coefficient of Voc	-0.276%/°C					
Temperature Coefficient of Pmax	-0.350%/°C					
STC	Irradiance 1000W/m ² Cell Temperature 25°C AM1.5					

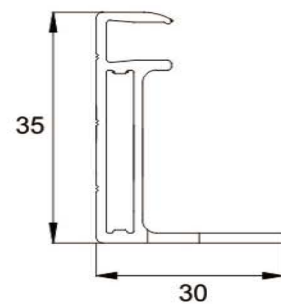
Operating Conditions

Operating Temperature	-40~+85°C
Maximum System Voltage	1500VDC
NOCT	45±2°C
Fireproof Performance	Glass C
Maximum Series Fuse	25A
Temperature Coefficient of Voc	-0.276%/K
Temperature Coefficient of Isc	+0.046%/K

Characteristics



Mechanical Diagrams



Units: mm/±2

