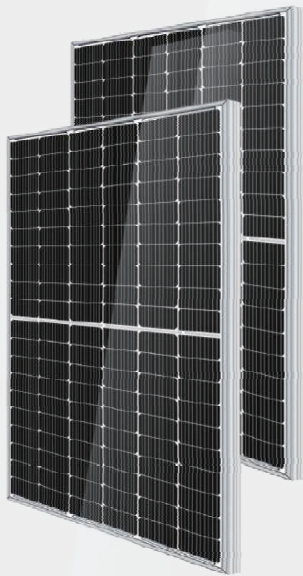




PMH SERIES HALF-CUT CELL MONO PERC SOLAR MODULE

445W-460W



PMH445W~460W-120M

Half CUT series

MONO module Assembled with PERC cells, the configuration of the modules offers the advantages of higher power output, cells temperature-dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.



Higher Durability

The multi-busbar design can decrease the risk of the cell micro-cracks and fingers broken.



High Power Density

High conversion efficiency and more power output per square meter, by lower series resistance and improved light harvesting.



PID Resistant

Tested in accordance to the standard IEC 62804, our PV modules have demonstrated resistance against PID (Potential Induced Degradation), which translates to security for your investment.



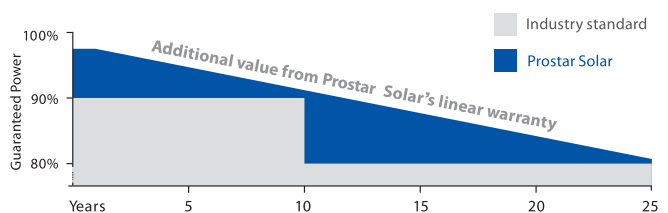
Bigger Cells with better performance

A slight increase of the size of our cells, Boosts the performance of the newest modules by six percent on average.

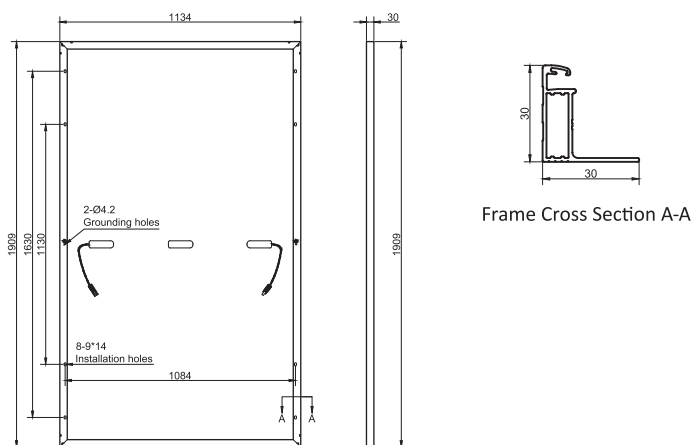
LINEAR PERFORMANCE WARRANTY

10-Year Product Warranty

25-Year Linear Power Warranty



Mechanical Diagrams



Specifications

Weight	22.0kg
Dimensions	1909mm*1134mm*30mm
Cell Amount	60*2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² /300mm
Connector	MC4 Compatible
Application Level	Class A

Technical Specifications

Module Type	PMH445W-120M		PMH450W-120M		PMH455W-120M		PMH460W-120M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	445	336.0	450	340.0	455	343.0	460	346.0
Open Circuit Voltage(Voc/V)	41.10	38.53	41.25	38.65	41.40	38.77	41.55	38.85
Short Circuit Current(Isc/A)	13.82	11.03	13.89	11.08	13.97	11.12	14.04	11.17
Maximum Power Voltage(Vmp/V)	34.48	32.35	34.67	32.51	34.87	32.67	35.07	32.76
Maximum Power Current(Imp/A)	12.91	10.40	12.98	10.46	13.05	10.51	13.12	10.56
Module Efficiency(%)	20.60		20.80		21.00		21.20	
NOCT	45±2°C							
Temp Coefficient of Voc	-0.275%/°C							
Temp Coefficient of Isc	+0.046%/°C							
Temp Coefficient of Pmax	-0.350%/°C							
Modules/Pallet	36 Pieces							
Modules/40'Container	864 Pieces							
Packing Description	24Pallets, Total=(36+36)x12=864 Pieces							
Output Tolerance	0~+5W							
Operating Temperature	-40°C~+85°C							
Wind Load/Snow Load	2400pa/5400pa							
Fuse Current	20A							

STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s