

## Monocrystalline Module Models

GP-450M-120

### Electrical Specifications

\*STC : Irradiance 1000W/m<sup>2</sup>, AM1.5 spectrum, module temperature 25°C

Model type	GP-450M-120
Peak power (Pmax)	450W
Cell Efficiency	23.34%
Maximum power voltage (Vmp)	34.67V
Maximum power current (Imp)	12.98A
Open circuit voltage (Voc)	41.25V
Short circuit current (Isc)	13.89A
Power Tolerance	±3%
Maximum system voltage	1500V
Series fuse rating (A)	20
Number of bypass diode	3



### Temperature Coefficients

Current Temperature Coefficient α(Isc)	0.03%/°C
Voltage Temperature Coefficient β(Voc)	-0.32%/°C
Power Temperature Coefficient	-0.42%/°C
Nominal Temperature Of Cells(NOTC)	46±2°C
Application Temperature Range	-40~+85°C

### Mechanical Characteristics

Dimensions :	1909x 1134 x 30mm (75.16x44.65x1.18inch)
Weight:	23.0kg (51.06lbs)
Solar Cells:	120 cells in series[(6x 10)*2]
Container	
Loading Qty,:	816Pcs/40'HQ;
Construction:	High-transmission low-iron tempered glass , EVA,TPE
Frame:	Anodized aluminum is mainly for improving corrosion resistance. Color: silver

### Output

Cable	LAPP(4 mm <sup>2</sup> )
Lengths	300mm(-) and 300mm(+)
Connector	MC Plug Type IV

### Module Warranty:

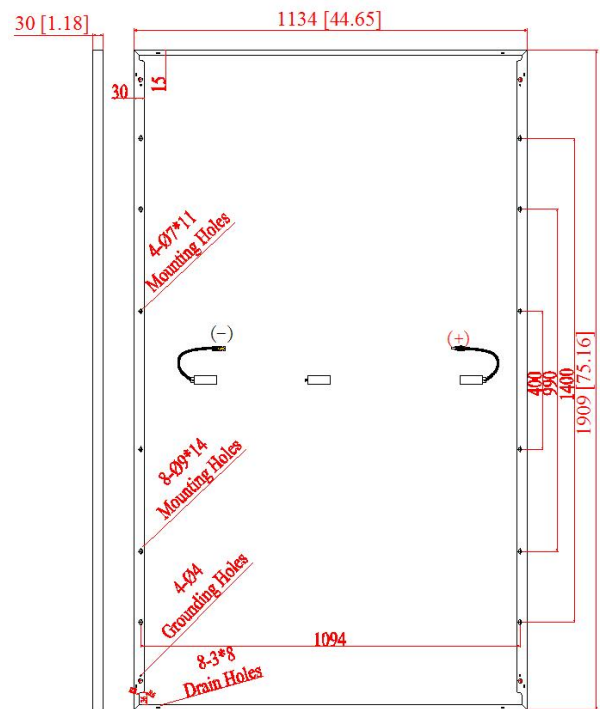
25-year limited warranty of 80% power output;

10-year limited warranty of 90% power output;

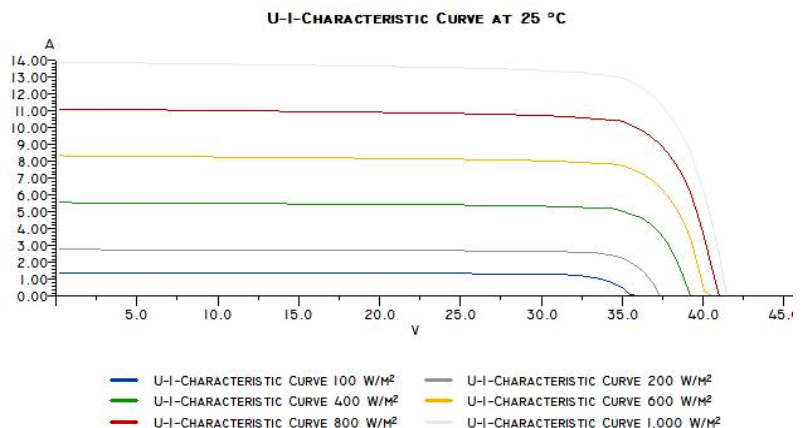
10-year limited warranty of materials and workmanship.

**Note:** This publication summarizes product warranty and Specifications which are subject to change without notice

Product photos are for reference only, on behalf of actual product.



Module Diagram



Electrical Performance