



Gi-Power

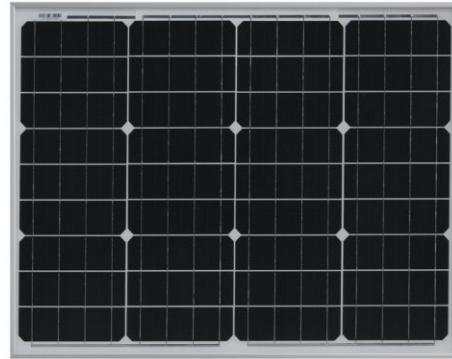
Monocrystalline Module Models

GP-055M-36 GP-050M-36

Electrical Specifications

*STC : Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C

Model type	GP-055M-36	GP-050M-36
Peak power (Pmax)	55W	50W
Cell Efficiency	19.76%	18.00%
Maximum power voltage (Vmp)	19.3V	18.3V
Maximum power current (Imp)	2.85A	2.73A
Open circuit voltage (Voc)	22.7V	22.2V
Short circuit current (Isc)	3.00A	2.92A
Power Tolerance	±3%	
Maximum system voltage	800V	
Series fuse rating (A)	4	
Number of bypass diode	2	



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:	540 x670 x 25mm (21.26x 26.38x0.98 inch)
Weight:	3.8kg (8.44 lbs)
Solar Cells:	36 cells in series(4x 9)
Construction:	High-transmission low-iron tempered glass , EVA, TPT/TPE
Frame:	Anodized aluminum is mainly for improving corrosion resistance. Color: silver

Output(Optional)

Cable	LAPP(4 mm2)
Lengths	900mm(-) and 900mm(+)
Connector	MC Plug Type IV

Module Warranty:

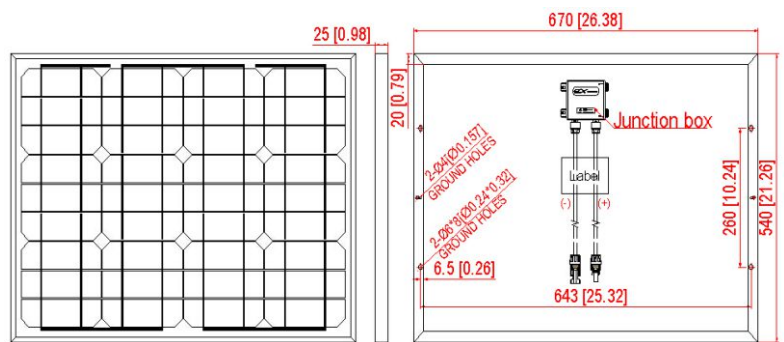
25-year limited warranty of 80% power output;

10-year limited warranty of 90% power output;

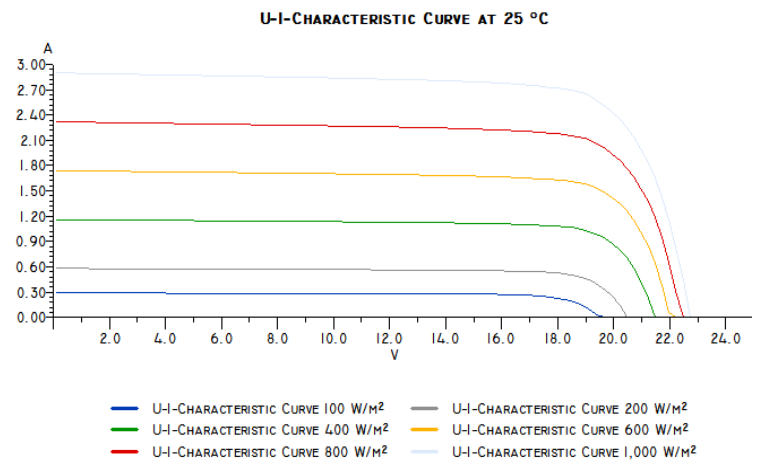
5-year limited warranty of materials and workmanship.

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



Electric Performance