



## Polycrystalline Module Models

GP-090P-36      GP-085P-36

### Electrical Specifications

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

Model type	GP-090P-36	GP-085P-36
Peak power (Pmax)	90W	85W
Cell Efficiency	17.70%	17.72%
Maximum power voltage (Vmp)	19.1V	18.8V
Maximum power current (Imp)	4.71A	4.52A
Open circuit voltage (Voc)	22.6V	22.3V
Short circuit current (Isc)	4.97A	4.84A
Power Tolerance		±3%
Maximum system voltage		800V
Series fuse rating (A)		7
Number of bypass diode		2



### Temperature Coefficients

Current Temperature Coefficient	$\alpha(I_{sc})$	0.08%/°C
Voltage Temperature Coefficient	$\beta(V_{oc})$	-0.32%/°C
Power Temperature Coefficient		-0.38%/°C
Nominal Temperature Of Cells(NOTC)		46±2°C
Application Temperature Range		-40~+85°C

### Mechanical Characteristics

Dimensions:	870 x 670 x 30mm (34.25x26.38x1.18 inch)
Weight:	6.2 kg (13.76lbs)
Solar Cells:	36 cells in series(4 x 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 mm <sup>2</sup> )
Lengths	900mm(-) and 900mm(+)
Connector	MC Plug Type IV

### Module Warranty:

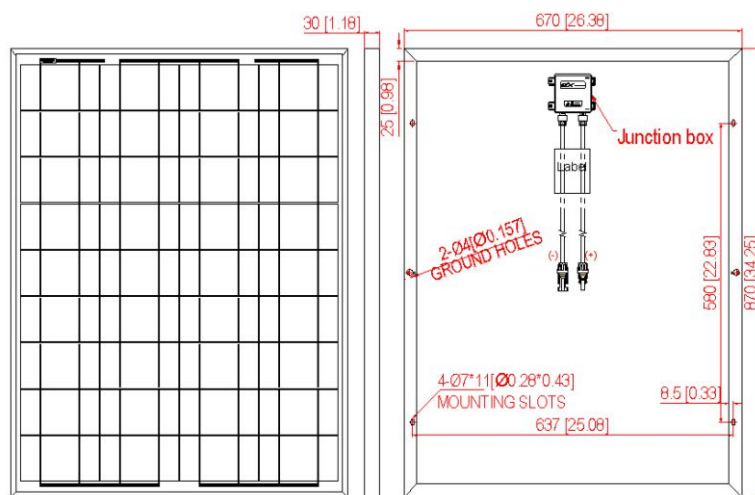
25-year limited warranty of 80% power output;

10-year limited warranty of 90% power output;

5-year limited warranty of materials and workmanship.

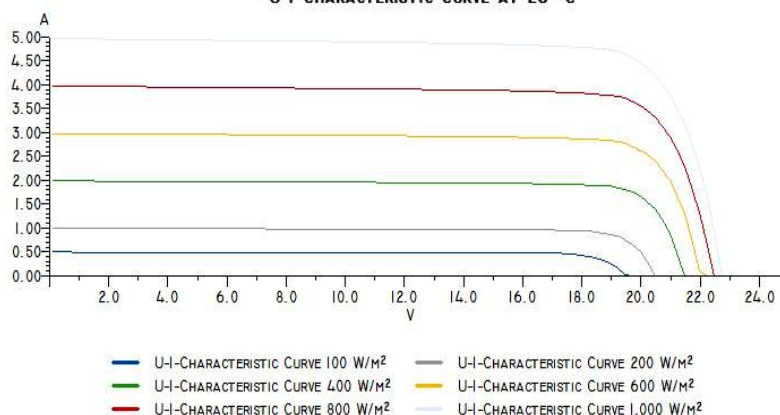
**Note:** This publication summarizes product warranty and Specifications which are subject to change without notice

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



### Module Diagram

U-I-CHARACTERISTIC CURVE AT 25 °C



### Electrical Performance