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Solar Panel Guide Specification Data Sheet

Gi-Power New Energy Co., Ltd.

GP-080~070P-36

GP-080P-36

Also available on the web at
EnergyPal.com/gi-power-new-energy-co-ltd-solar-panels/gp-080p-36



Gi-Power

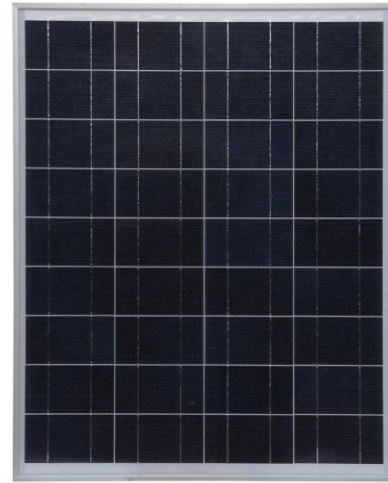
Polycrystalline Module Models

GP-080P-36 GP-070P-36

Electrical Specifications

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

Model type	GP-080P-36	GP-070P-36
Peak power (Pmax)	80W	70W
Cell Efficiency	18.81%	16.46%
Maximum power voltage (Vmp)	19.1V	18.2V
Maximum power current (Imp)	4.19A	3.85A
Open circuit voltage (Voc)	22.7V	22.0V
Short circuit current (Isc)	4.41A	4.15A
Power Tolerance		±3%
Maximum system voltage		800V
Series fuse rating (A)		6
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:	770 x 670 x 25mm (30.31x26.38x0.98 inch)
Weight:	5.4 kg (11.99 lbs)
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 ²)
Lengths	900mm(-) and 900mm(+)
Connector	MC Plug Type IV

Module Warranty:

25-year limited warranty of 80% power output;

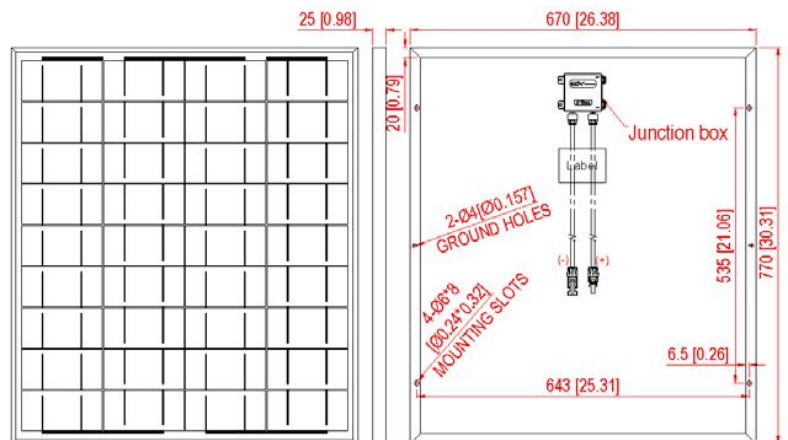
10-year limited warranty of 90% power output;

5-year limited warranty of materials and workmanship.

Note: This publication summarizes product warranty and

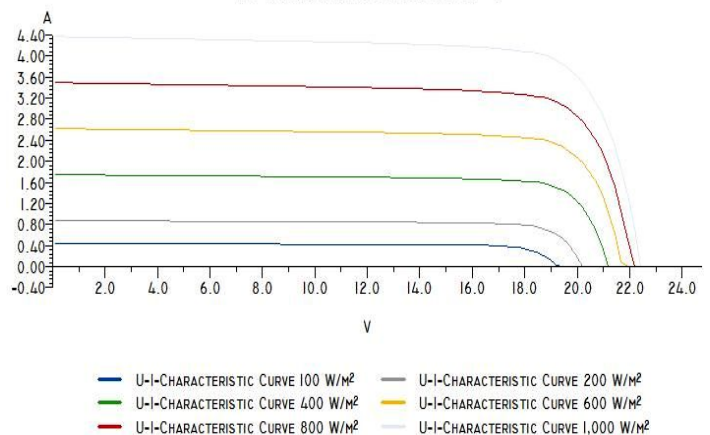
Specifications which are subject to change without notice

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



Module Diagram

U-I-CHARACTERISTIC CURVE AT 25 °C



Electrical Performance