



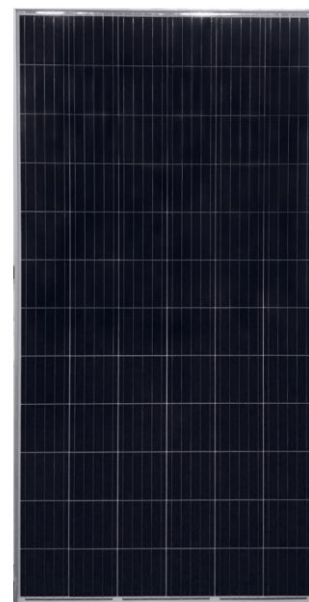
## Polycrystalline Module Models

GP-330P-72    GP-320P-72    GP-310P-72

### Electrical Specifications

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

Model type	GP-330P-72	GP-320P-72	GP-310P-72
Peak power (Pmax)	330W	320W	310W
Cell Efficiency	19.40%	19.17%	18.58%
Maximum power voltage (Vmp)	38.7V	38.4V	38.0V
Maximum power current (Imp)	8.53A	8.34A	8.16A
Open circuit voltage (Voc)	45.8V	45.6V	45.0V
Short circuit current (Isc)	9.00A	8.82A	8.65A
Power Tolerance		±3%	
Maximum system voltage		1000V	
Series fuse rating (A)		12	
Number of bypass diode		3/6	



### 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:	1956 x 992 x 45mm (77.01x39.06x1.77 inch)
Weight:	20.46kg (45.42lbs)
Solar Cells:	72 cells in series(6 x 12)
Construction:	High-transmission low-iron tempered glass , EVA, TPT/TPE
Frame:	Anodized aluminum is mainly for improving corrosion resistance. Color: silver

### Output

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;

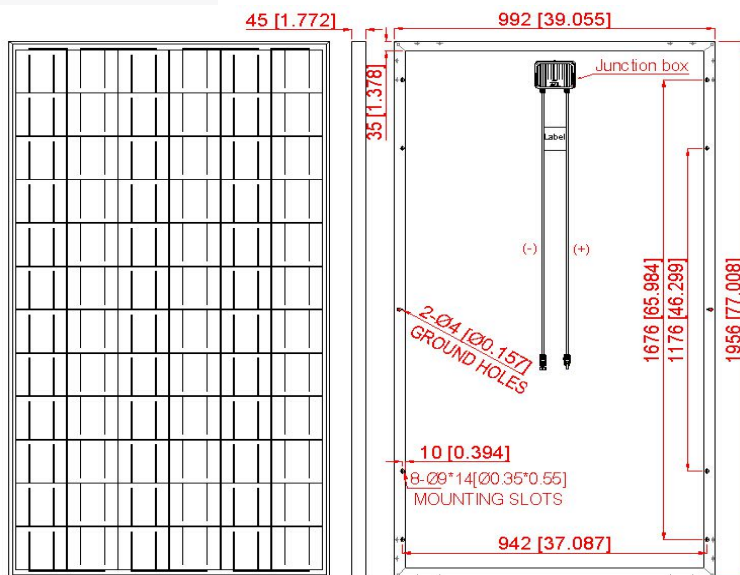
10-year limited warranty of 90% power output;

10-year limited warranty of materials and workmanship.

**Note:** This publication summarizes product warranty and

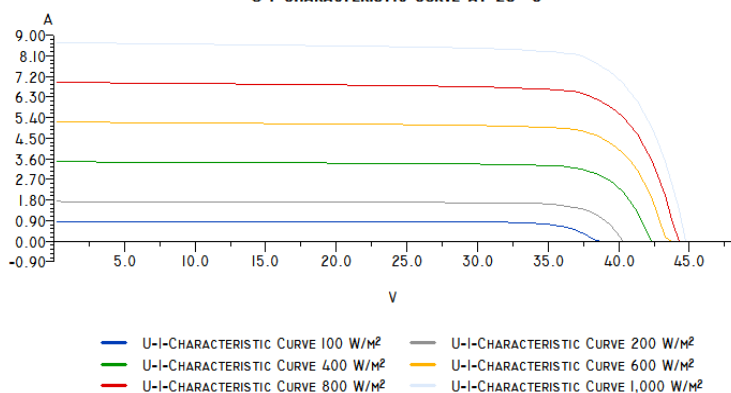
Specifications which are subject to change without notice

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



### Module Diagram

U-I-CHARACTERISTIC CURVE AT 25 °C



### Electrical Performance