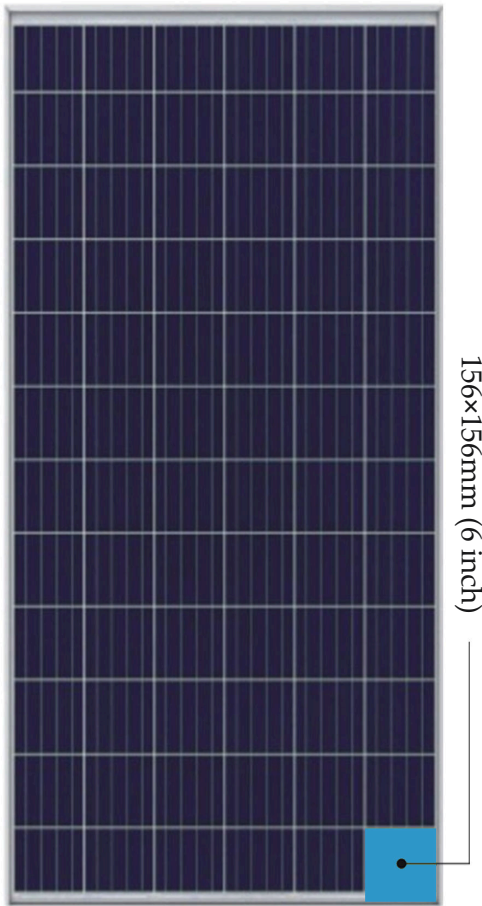


# GER-72P (295-325Wp)



## Features and benefits

- ◆ **High efficiency**  
High module conversion efficiency (up to 16.80%), through innovative manufacturing technology.
- ◆ **Outstanding low-light performance**  
Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.
- ◆ **High transparent low-iron, tempered glass**  
Esthetic appearance, with stands high wind-pressure and snow load.
- ◆ **Positive power tolerance (0~+3%)**  
To ensure the high reliability of power output.

### CERTIFICATION



## Guarantee

### Guaranteed Performance

**10**   
Years

**12**  | **90%**  
Years | Power Output

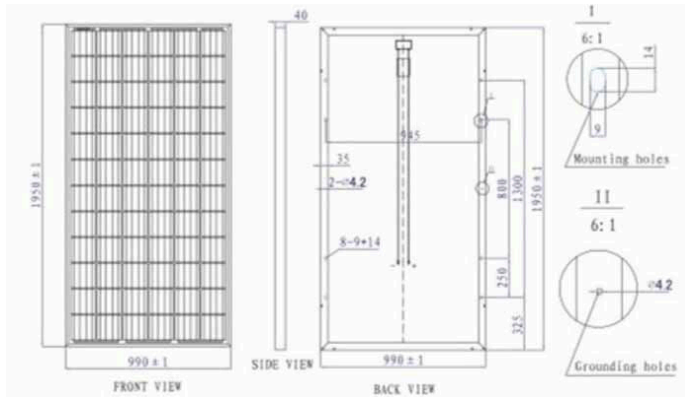
**25**  | **80%**  
Years | Power Output

10 Years  
Manufacturing Warranty

12 Years Warranty  
90% Power Output

25 Years Warranty  
80% Power Output

### Engineering Drawings



### Mechanical Characteristics

Cell Type	Poly-crystalline 156×156mm (6 inch)
Number of cells	72 (6×12)
Dimensions	1950mm×990mm×40mm
Weight	23.0kg
Front Glass	3.2mm tempered low iron glass
Frame	Clear anodized aluminum alloy
Junction Box	IP67, with bypass diodes
Connector	MC4 compatible
Output Cables	TUV, ±length 900mm, 4.0mm <sup>2</sup>
Mechanical Load	5400Pa

### Electrical Characteristics

Model	GER-295P-72	GER-300P-72	GER-305P-72	GER-310P-72	GER-315P-72	GER-320P-72	GER-325P-72
Maximum Power at STC (Pmax)	295Wp	300Wp	305Wp	310Wp	315Wp	320Wp	325Wp
Open-circuit Voltage (Voc)	43.3V	43.6V	43.7V	44.0V	44.3V	44.6V	44.9V
Short-circuit Current (Isc)	8.64A	8.71A	8.78A	8.86A	8.93A	9.03A	9.10A
Maximum Power Voltage (Vmp)	36.5V	36.7V	36.9V	37.1V	37.3V	37.5V	37.7V
Maximum Power Current (Imp)	8.08A	8.17A	8.27A	8.36A	8.44A	8.53A	8.62A
Module Efficiency	15.28%	15.54%	15.80%	16.06%	16.32%	16.58%	16.84%

\*STC: Irradiance 1000W/m<sup>2</sup>, Module temperature 25°C, AM=1.5

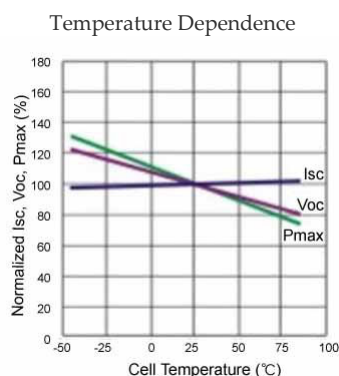
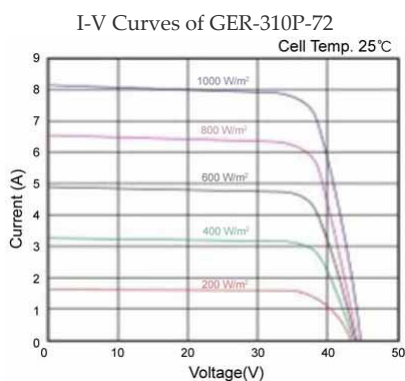
### Temperature Characteristics

Temperature coefficient of Pmax	-0.44%/°C
Temperature coefficient of Voc	-0.34%/°C
Temperature coefficient of Isc	0.06%/°C
Norminal Operating Cell Temperature (NOCT)	45°C ± 2°C

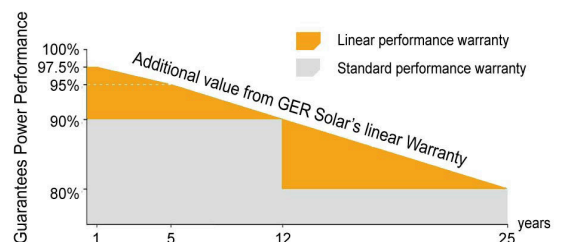
### System Intergration Parameters

Operating temperature	-40°C to +85°C
Maximum system voltage	VDC 1000V
Maximum Series Fuse	15A
Number of bypass diodes	3
Increased snowload acc. to IEC 61215	5400Pa

### Electrical Performance & Temperature Dependence



### Linear Performance Warranty



### Packaging Configuration

Container	20'GP	40'GP
Pieces per pallet	27	27
Pallets per container	10	24
Pieces per container	270	648