

GES-P180 GES-P185

GES-P170 GES-P175

Polycrystalline Photovoltaic Module

Features

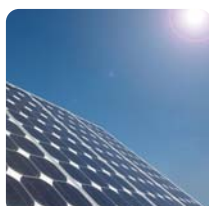
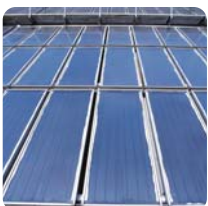
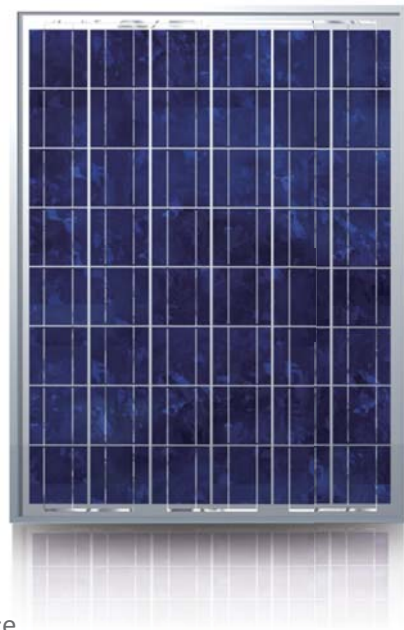
- High module efficiency and stable power output based on leading process technology
- Outstanding electrical performance under high-temperature conditions or low-irradiance conditions
- Ease of installation and all-weather applications due to the innovative engineering design

Applications

- On-grid utility systems
- On-grid commercial systems
- Off-grid residential systems

Quality and Warranty

- Peak power of single module is guaranteed in (0, +5)W power tolerance
- Rigorous quality control meets the highest international standard
- Product quality and liability are insured
- 5 years limited warranty on material and workmanship
- 12 years and 25 years limited warranty for minimum power output

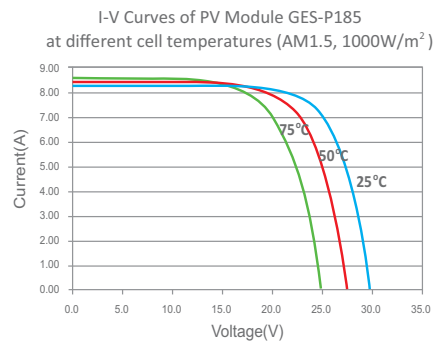
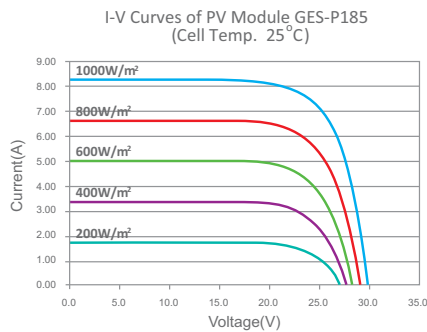


ELECTRICAL CHARACTERISTICS

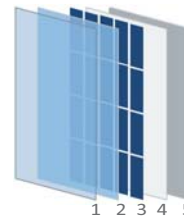
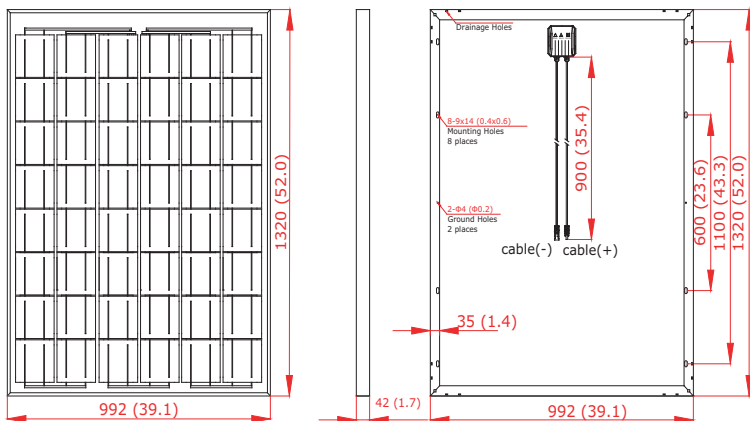
Module Type	Unit	GES-P170	GES-P175	GES-P180	GES-P185
Maximum Power (Pmax)	W	170	175	180	185
Power Tolerance	W	(0, +5)	(0, +5)	(0, +5)	(0, +5)
Open Circuit Voltage (Voc)	V	29.6	29.6	29.6	29.6
Short Circuit Current (Isc)	A	8.11	8.20	8.33	8.33
Maximum Power Voltage (Vmp)	V	22.3	22.5	22.6	23.2
Maximum Power Current (Imp)	A	7.61	7.78	7.95	7.96
Module Efficiency (ηm)	%	13.0	13.4	13.7	14.1
Cell Technology	156mm x 156mm Polycrystalline Silicon; 48pcs (6×8)				
Pmax Temperature Coefficient	%/°C				-0.47
Voc Temperature Coefficient	%/°C				-0.34
Isc Temperature Coefficient	%/°C				+0.05
Maximum System Voltage	VDC				1000
Maximum Series Fuse Rating	A				13
Operating Temperature	°C				-40 ~ +85
NOCT	°C				45±2

STC: 1000W/m², AM1.5 and 25°C cell temperature; NOCT: Nominal Operating Cell Temperature

I-V CURVES



PHYSICAL CHARACTERISTICS Unit: mm(inch)



1. Tempered Glass
2. EVA (Ethylene Vinyl Acetate)
3. Solar Cells
4. EVA (Ethylene Vinyl Acetate)
5. Backsheet

Dimension	1320 x 992 x 42** mm (52.0 x 39.1 x 1.7 inch)
Weight	16.5 kg (36.4 lbs.)
Cable Length	900 mm (35.4 inch)
Bypass Diodes	3 pcs
Junction Box	IP65 rated
Front Glass	3.2 mm (0.1 inch) tempered low-iron glass
Frame	Anodized aluminum alloy

*Specifications are subjected to change without further notice
**50mm thickness aluminum frame is optional