

# Photovoltaic Module

## Polycrystalline

### GS-240P



### Quality and Safety

- \*Rigorous quality control meeting the highest international standards
- \*High-transmissivity low-iron tempered glass, strong aluminium frame Using UV-resistant silicon
- \*Safety Class II,conformity to CE

### Features

- \*Aesthetic appearance with excellent efficiency based on innovative photovoltaic technologies
- \*High quality,strong aluminium frame,passing mechanical load testing 5400 Pa and wind pressure 2400Pa

### Warranties

- \*10 years limited product warranty
- \*15 years at90% of the minimal rated power output
- \*25 years at80% of the minimal rated power output

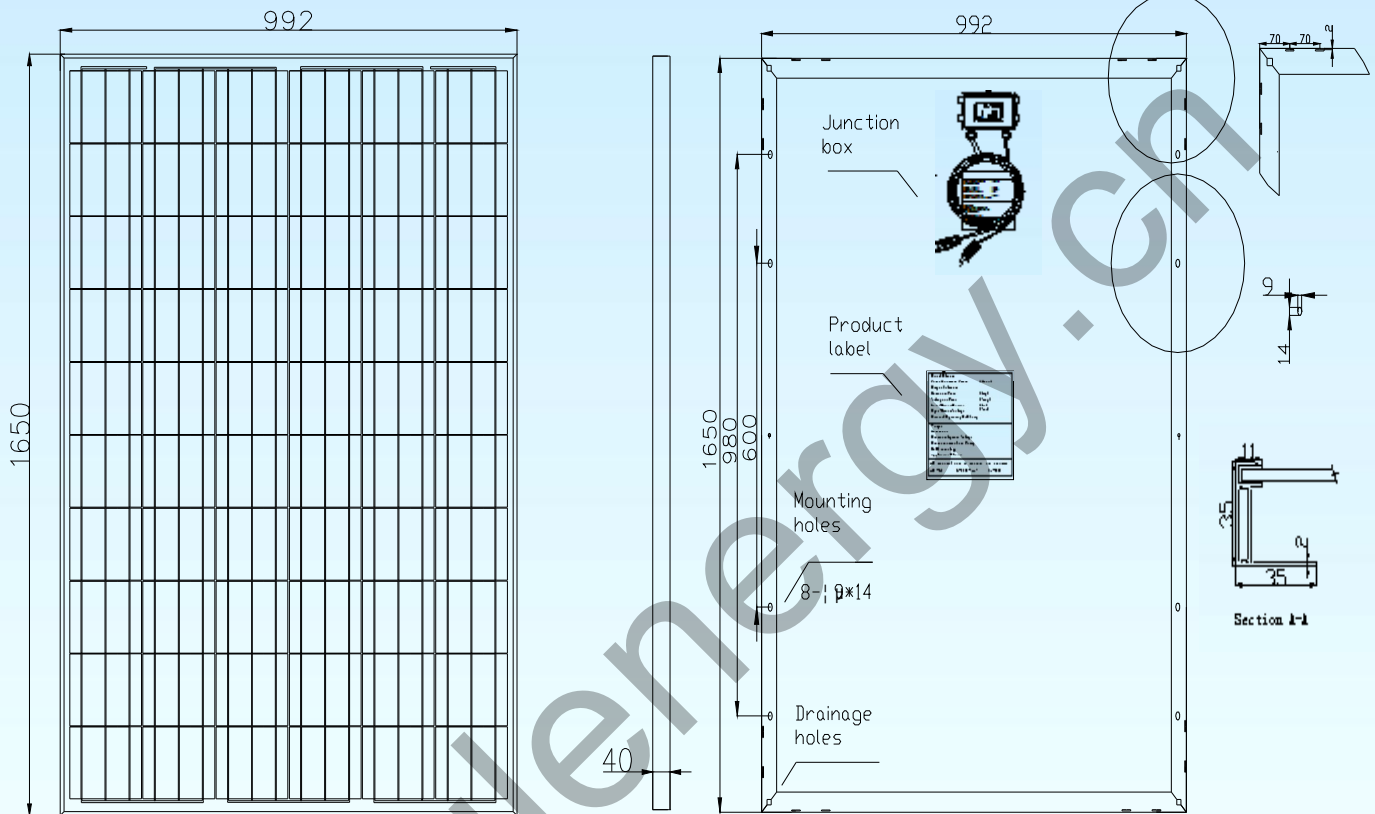
### Certificates



### Electrical Characteristics

Model	GS-230P	GS-240P	GS-250P
Maximum Power at STC (P <sub>max</sub> )	230W	240W	250W
Optimum Operating Voltage (V <sub>mp</sub> )	30.2V	30.5V	30.6V
Optimum Operating Current (I <sub>mp</sub> )	7.62A	7.86A	8.16A
Open-Circuit Voltage (V <sub>oc</sub> )	36.5V	36.75V	36.9V
Short-Circuit Current (I <sub>sc</sub> )	8.51	8.82A	9.16A
Solar Cell Efficiency (%)	16.2	16.9	17.6
Solar Module Efficiency (%)	14.05	14.06	15.36
Operating Temperature	-40to85°C		
Maximum System Voltage	DC1000		
Maximum Series Fuse Rating	15A		
Power Tolerance	+/-3%		
STC:Irradiance 1000W/m <sup>2</sup> ,Modules Temperature 25°C,AM=1.5			

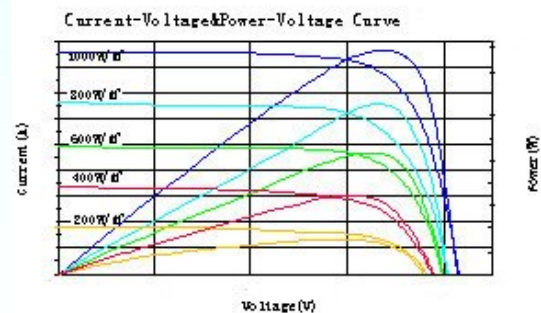
## Engineering Drawings



## Mechanical Characteristics

Solar cell	Poly-Crystalline 156*156mm
No. of cells	60(6*10)
Dimensions	1650mm*992mm*40mm
Weight	19kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV-LH0808
Connector	Plug and socket
Output cables	PV 2.5mm <sup>2</sup> , 0.9m
1*20'	/
1*40'	/
1*40'HQ	/

## IV-Curves



## Temperature Coefficient

Nominal Operating Cell Temperature (NOCT)	47°C ± 2°C
Temperature Coefficient of P <sub>max</sub>	-0.47%/K
Temperature Coefficient of V <sub>OC</sub>	-0.351%/K
Temperature Coefficient of I <sub>SC</sub>	+0.035%/K