

Photovoltaic Module

Polycrystalline

GS-80P



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



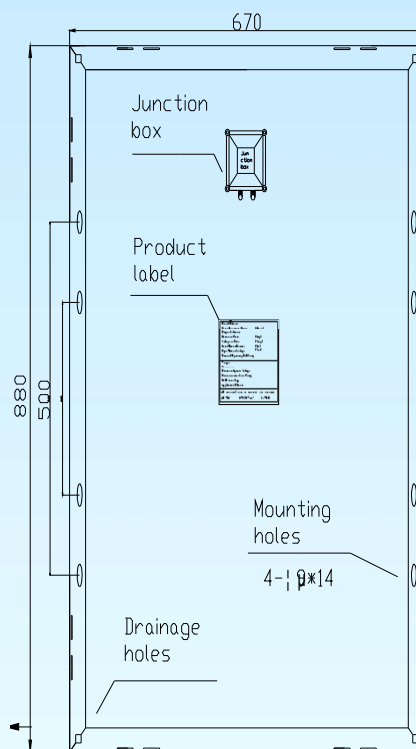
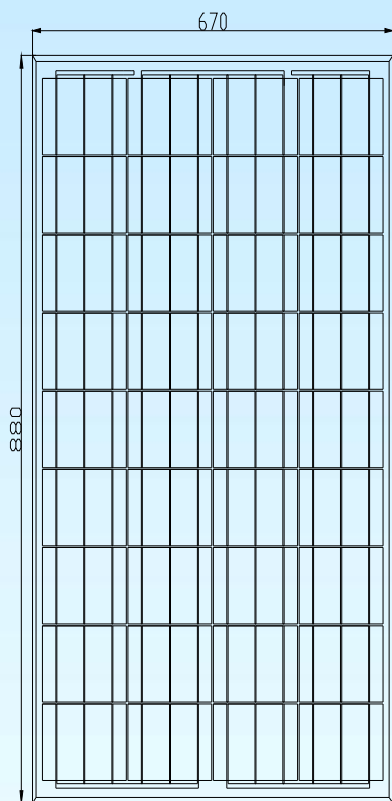
Electrical Characteristics

Model	GS-75P	GS-80P
Maximum Power at STC (P _{max})	75W	80W
Optimum Operating Voltage (V _{mp})	17.6V	17.4V
Optimum Operating Current (I _{mp})	4.262A	4.598A
Open-Circuit Voltage (V _{oc})	21.81V	22.20V
Short-Circuit Current (I _{sc})	4.647A	4.869A
Solar Cell Efficiency (%)	15.13	16.40
Solar Module Efficiency (%)	12.66	13.50
Operating Temperature	-40to85℃	
Maximum System Voltage	DC1000	
Maximum Series Fuse Rating	15A	
Power Tolerance	+/-3%	
STC:Irradiance 1000W/m ² ,Modules Temperature 25℃,AM=1.5		



GREEN SOLAR

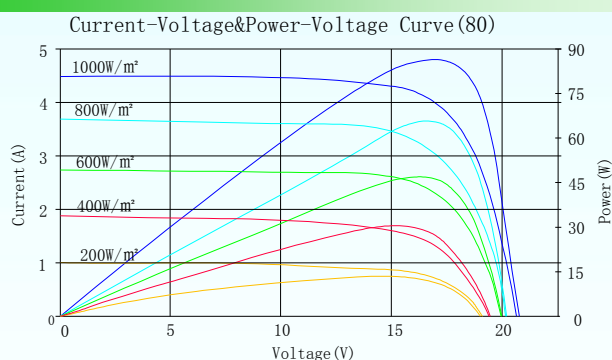
Engineering Drawings



Mechanical Characteristics

Solar cell	Poly-Crystalline 156*90mm
No. of cells	36(4×9)
Dimensions	880mm*670mm*30mm
Weight	7.0kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV-LH0808
Connector	/
Output cables	/
1*20'	/
1*40'	/
1*40'HQ	/

IV-Curves



Temperature Coefficient

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