



Photovoltaic Module

Polycrystalline

GS-100P

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



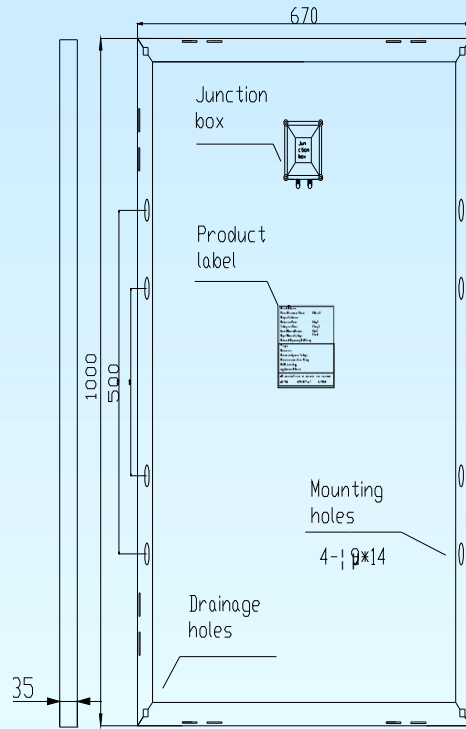
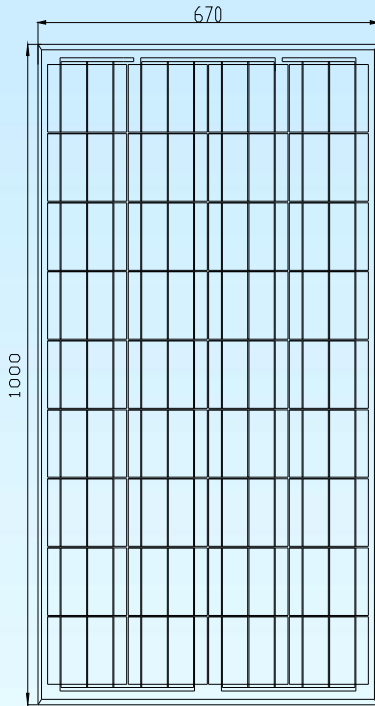
Electrical Characteristics

Model	GS-95P	GS-100P
Maximum Power at STC (P _{max})	95W	100W
Optimum Operating Voltage (V _{mp})	17.5V	17.2V
Optimum Operating Current (I _{mp})	5.429A	5.820A
Open-Circuit Voltage (V _{oc})	21.60V	21.80V
Short-Circuit Current (I _{sc})	5.943A	6.180A
Solar Cell Efficiency (%)	16.4	17.25
Solar Module Efficiency (%)	14.18	14.93
Operating Temperature		-40to85°C
Maximum System Voltage		DC1000
Maximum Series Fuse Rating		15A
Power Tolerance		+/-3%
STC:Irradiance 1000W/m ² ,Modules Temperature 25°C,AM=1.5		



GREEN SOLAR

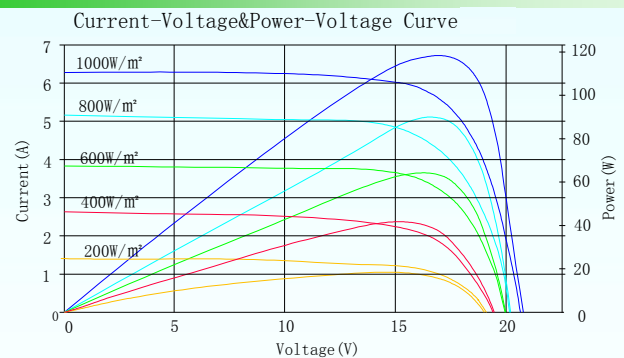
Engineering Drawings



Mechanical Characteristics

Solar cell	Poly-Crystalline 156*104mm
No. of cells	36(4×9)
Dimensions	670mm*1000mm*35mm
Weight	9.1kg
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