

Photovoltaic Module

Polycrystalline

GS-280P



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

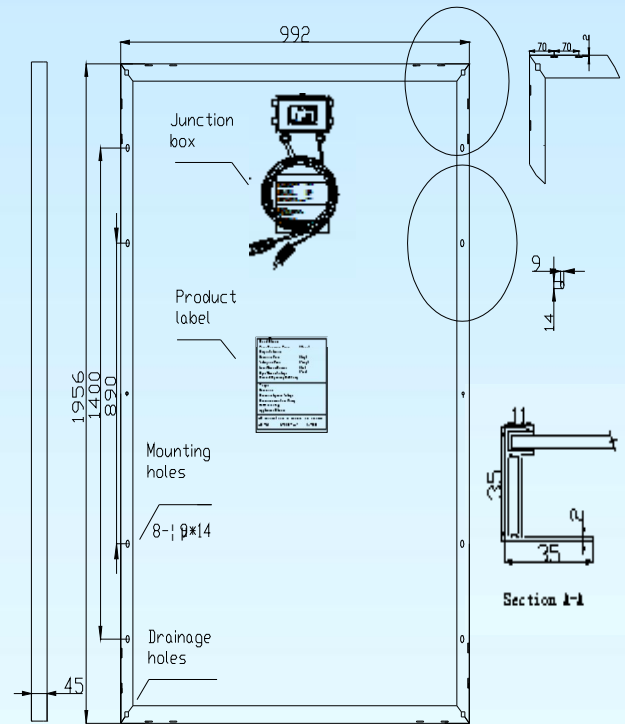
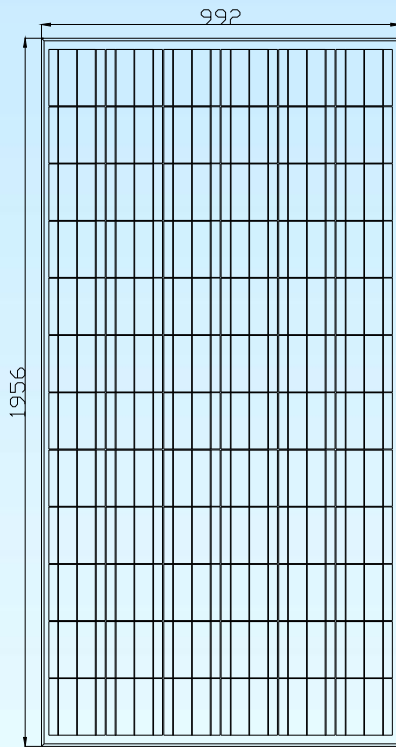
Certificates



Electrical Characteristics

Model	GS-280P	GS-300P
Maximum Power at STC (P _{max})	280W	300W
Optimum Operating Voltage (V _{mp})	36.5V	36.6V
Optimum Operating Current (I _{mp})	7.86A	8.36A
Open-Circuit Voltage (V _{oc})	46.75V	46.9V
Short-Circuit Current (I _{sc})	8.62A	9.16A
Solar Cell Efficiency (%)	16	17.12
Solar Module Efficiency (%)	14.43	15.46
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		

Engineering Drawings

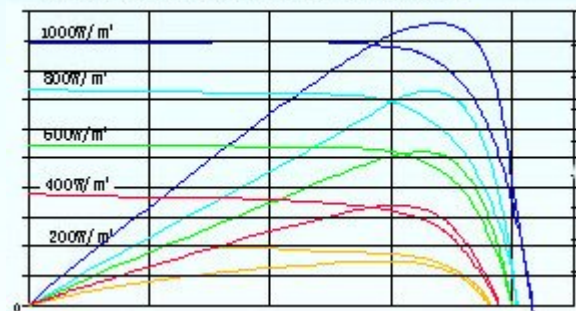


Mechanical Characteristics

Solar cell	Poly-Crystalline 156*156mm
No. of cells	72(6*12)
Dimensions	1956mm*992mm*45mm
Weight	24kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV-LH0808
Connector	Plug and socket
Output cables	PV 2.5mm ² , 0.9m
1*20'	/
1*40'	/
1*40'HQ	/

IV-Curves

Current-Voltage & Power-Voltage Curve



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