

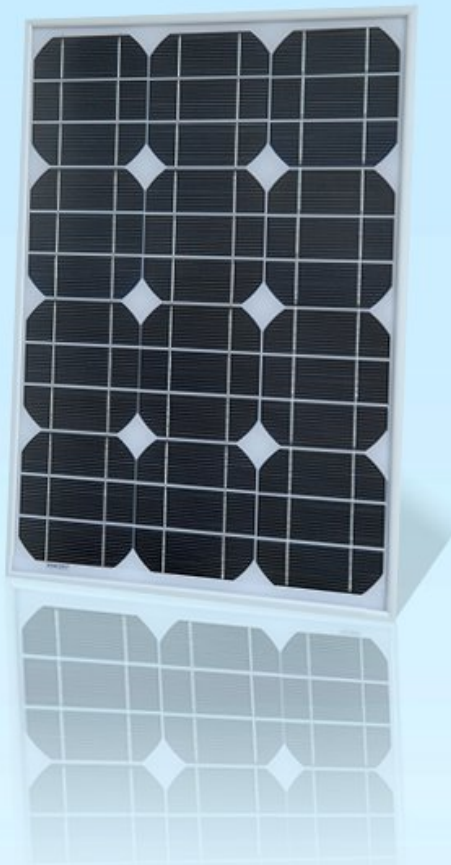


GREEN SOLAR

Photovoltaic Module

Monocrystalline

GS-30M



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



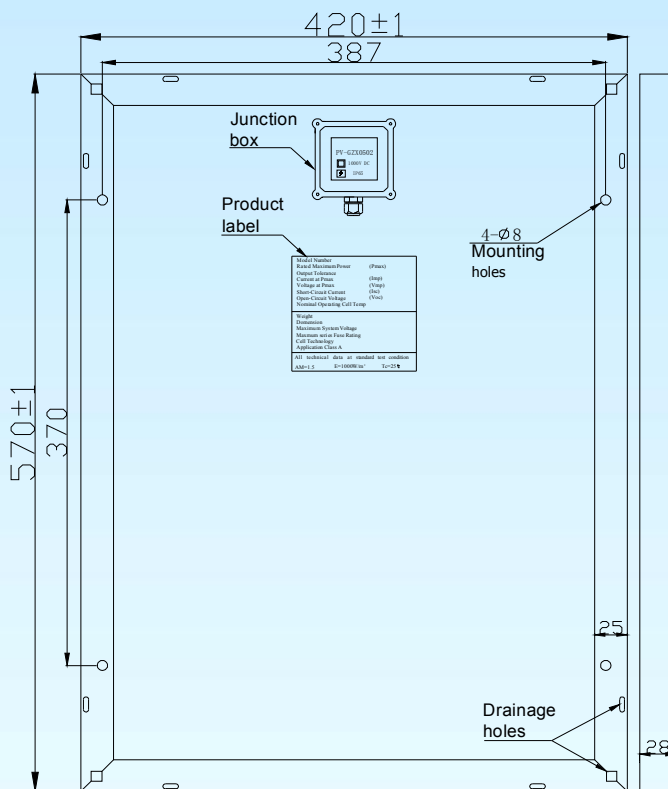
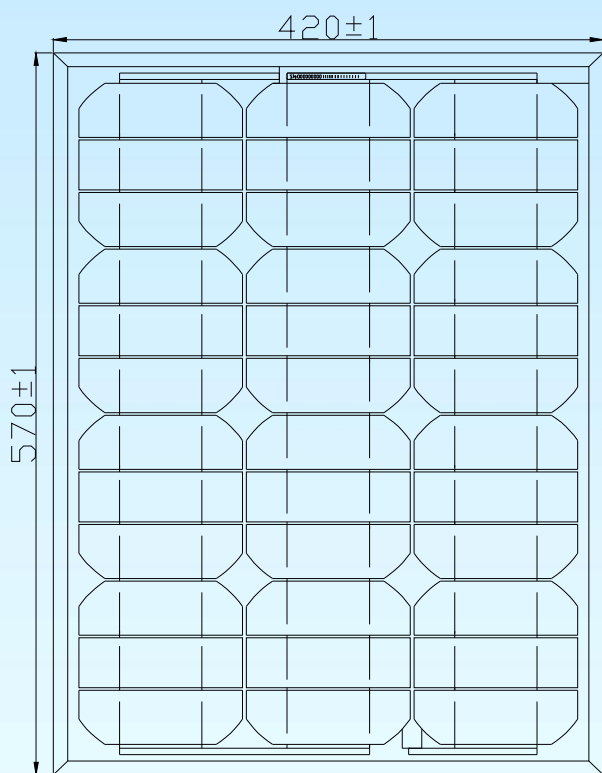
Electrical Characteristics

Model	GS-30M
Maximum Power at STC (P _{amx})	30W
Optimum Operating Voltage (V _{mp})	17.8V
Optimum Operating Current (I _{mp})	1.686A
Open-Circuit Voltage (V _{oc})	22.2V
Short-Circuit Current (I _{sc})	1.801A
Solar Cell Efficiency (%)	16.90
Solar Module Efficiency (%)	12.53
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	



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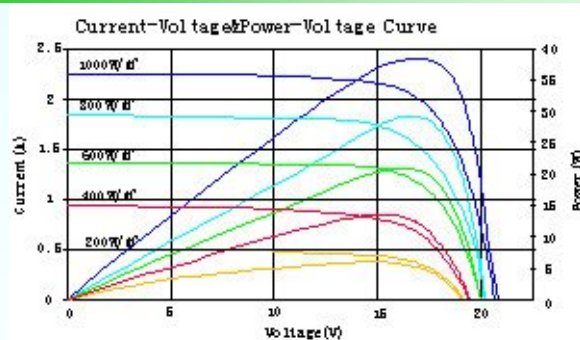
Engineering Drawings



Mechanical Characteristics

Solar cell	Mono-Crystalline 125*1/3
No. of cells	36(3×12)
Dimensions	570mm*420mm*28mm
Weight	2.9kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV-LH0806
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}	-0.346%/K
Temperature Coefficient of I _{SC}	+0.036%/K