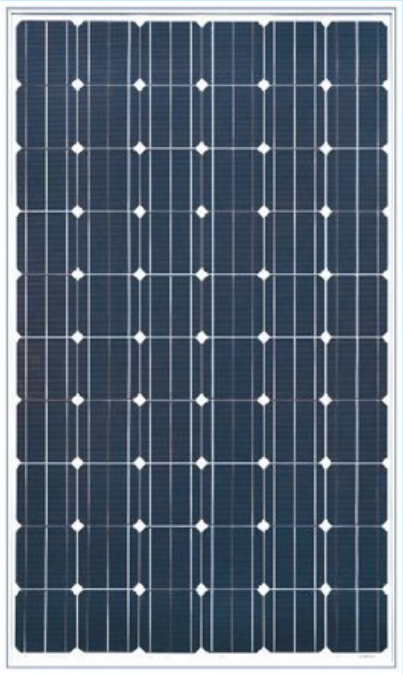
GREEN SOLAR

Photovoltaic Module
Monocrystalline
GS-250M



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-240M	GS-250M	GS-260M
Maximum Power at STC (Pamx)	240W	250W	260W
Optimum Operating Voltage (Vmp)	30.5V	30.96V	30.75V
Optimum Operating Current (Imp)	7.87A	8.07A	8.201A
Open-Circuit Voltage (Voc)	36.75V	37.92V	37.65V
Short-Circuit Current (Isc)	8.82A	8.62A	8.712A
Solar Cell Efficiency (%)	16.9	17.64	18.34
Solar Module Efficiency (%)	14.06	15.27	15.88
Operating Temperature		-40to85℃	
Maximum System Voltage		DC1000	
Maximum Series Fuse Rating		15A	
Power Tolerance		+/-3%	
STC:Irradiance 1000W/㎡,Modules Temperature 25℃,AM=1.5			

Ningbo Green solar Technology Co., Ltd
Add：No.5,xingye Middle road, East Area, Ningbo Free Trade Zone, China
Tel: +86-574-86812925 Fax : +86-574-86812905
www.glenergy.cn

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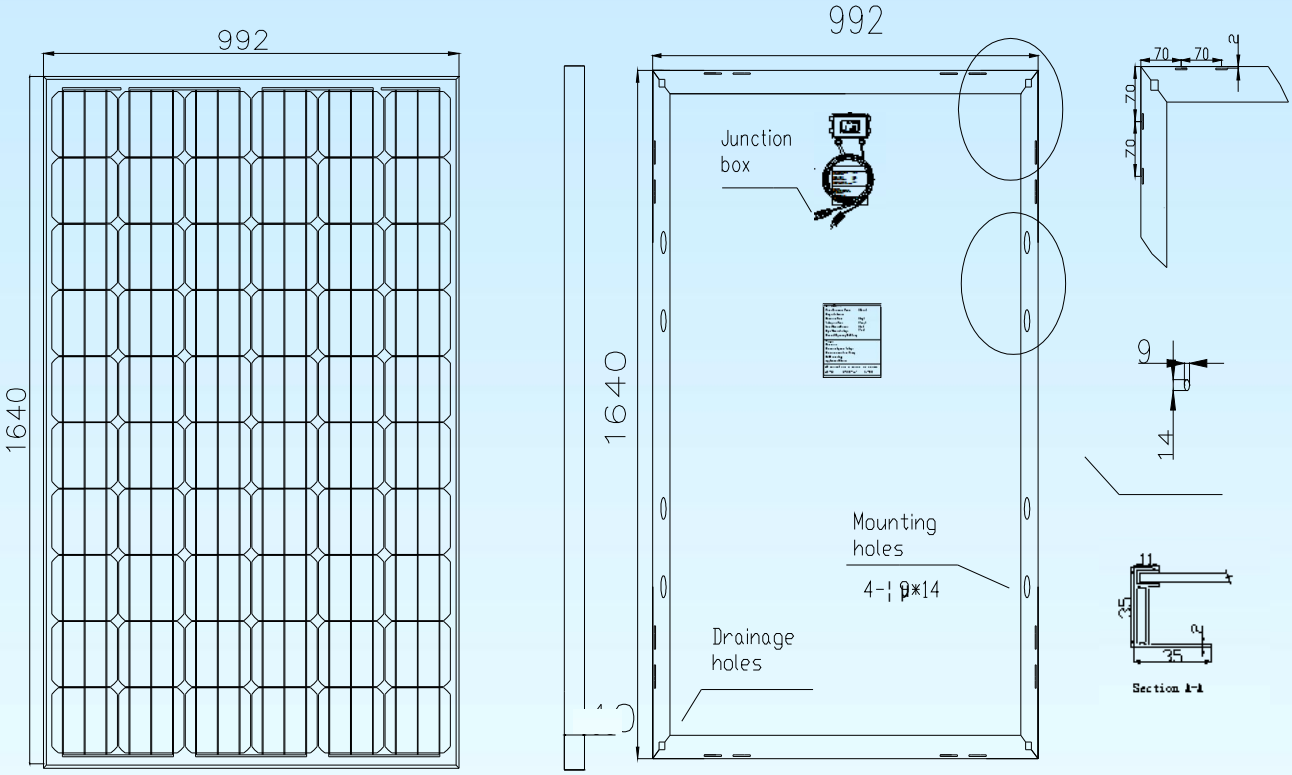
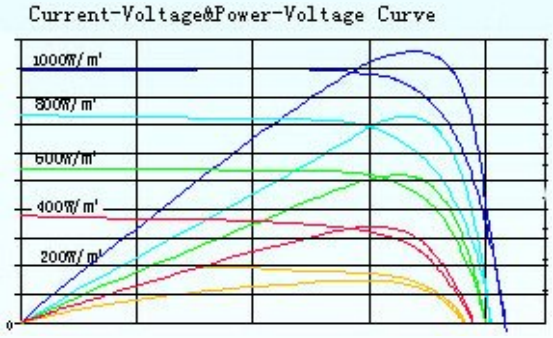
Engineering Drawings



Mechanical Characteristics

Solar cell	Mono-Crystalline 156*156mm
No.of cells	60(6×10)
Dimensions	1640mm*992mm*40mm
Weight	18kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV-LH0808
Connector	Plug and socket
Output cables	PV 2.5mm² ,0.9m
1*20'	/
1*40'	/
1*40'HQ	/

IV-Curves



Temperature Coefficient

Nominal Operating Cell Temperature (NOCT)	47℃+/-2℃
Temperature Coefficient of Pmax	-0.47%/K
Temperature Coefficient of VOC	-0.351%/K
Temperature Coefficient of ISC	+0.035%/K

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