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Solar Panel Guide Specification Data Sheet

Ningbo Green Light Energy Technology Co., Ltd.

GS-240P

GS-230P

Also available on the web at

EnergyPal.com/ningbo-green-light-energy-technology-co-ltd-solar-panels/gs-230p

Photovoltaic Module

Polycrystalline

GS-240P



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

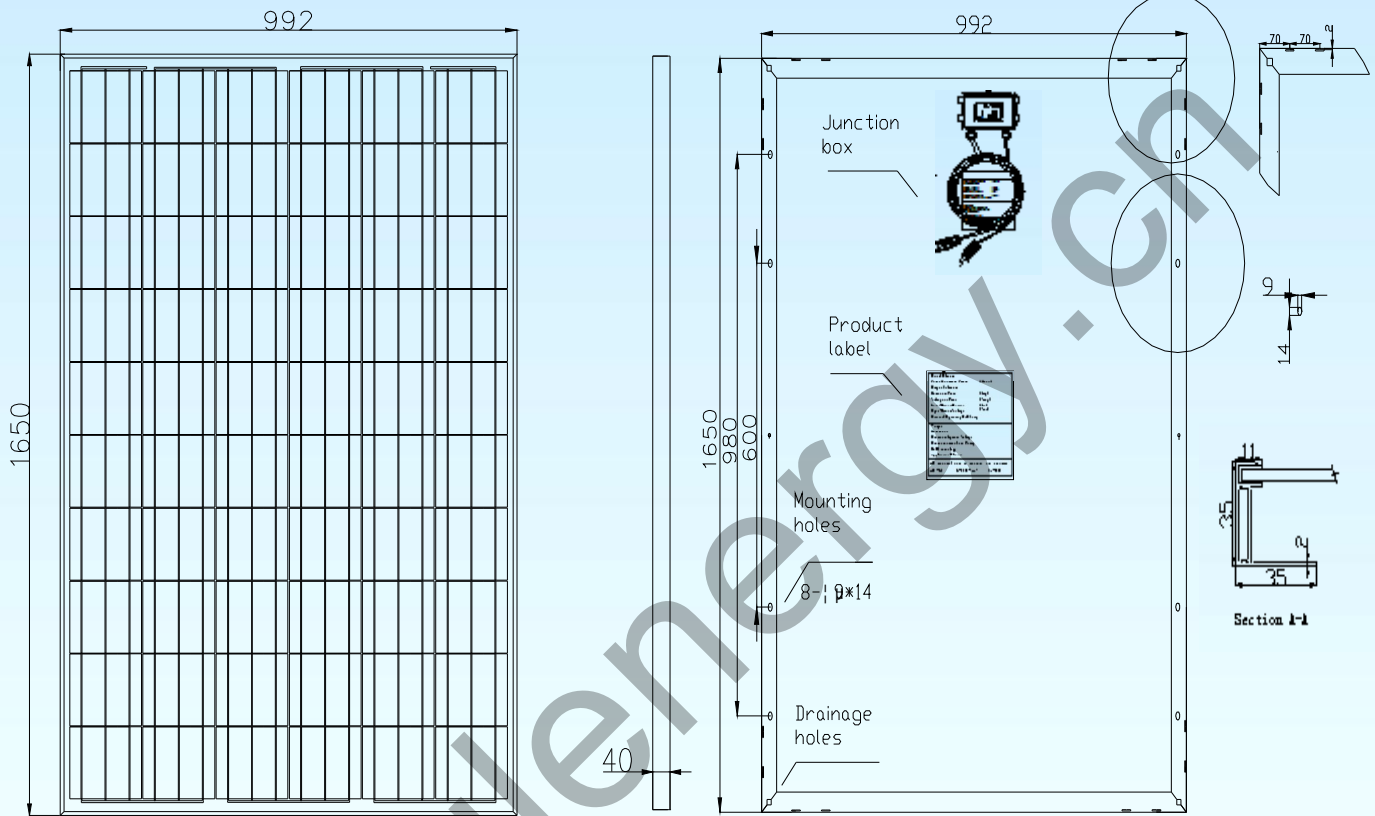
Certificates



Electrical Characteristics

Model	GS-230P	GS-240P	GS-250P
Maximum Power at STC (P _{max})	230W	240W	250W
Optimum Operating Voltage (V _{mp})	30.2V	30.5V	30.6V
Optimum Operating Current (I _{mp})	7.62A	7.86A	8.16A
Open-Circuit Voltage (V _{oc})	36.5V	36.75V	36.9V
Short-Circuit Current (I _{sc})	8.51	8.82A	9.16A
Solar Cell Efficiency (%)	16.2	16.9	17.6
Solar Module Efficiency (%)	14.05	14.06	15.36
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			

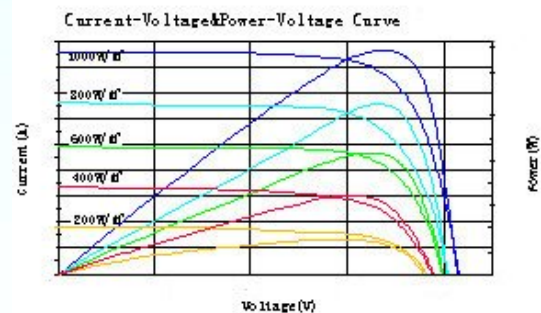
Engineering Drawings



Mechanical Characteristics

Solar cell	Poly-Crystalline 156*156mm
No. of cells	60(6*10)
Dimensions	1650mm*992mm*40mm
Weight	19kg
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



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