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Solar Panel Guide Specification Data Sheet

Ningbo Green Light Energy Technology Co., Ltd.

GS-130P

GS-135P

Also available on the web at

EnergyPal.com/ningbo-green-light-energy-technology-co-ltd-solar-panels/gs-135p

Photovoltaic Module

Polycrystalline

GS-130P



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

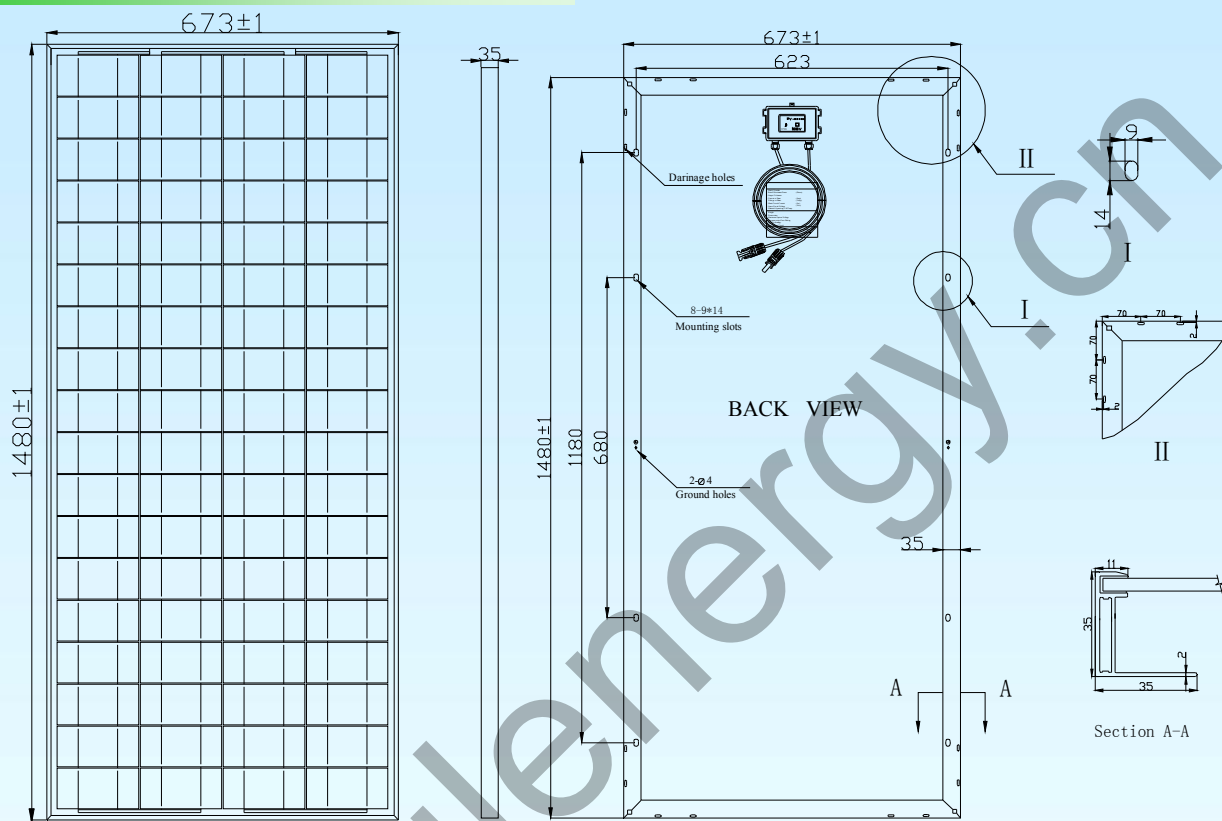
Certificates



Electrical Characteristics

Model	GS-130P	GS-135P	GS-140P
Maximum Power at STC (P _{max})	130W	135W	140W
Optimum Operating Voltage (V _{mp})	17.6V	17.6V	17.6V
Optimum Operating Current (I _{mp})	7.49A	7.78A	7.95A
Open-Circuit Voltage (V _{oc})	21.9V	21.7V	22.1V
Short-Circuit Current (I _{sc})	8.02A	8.303A	8.58A
Solar Cell Efficiency (%)	15.0	15.71	16.27
Solar Module Efficiency (%)	13.05	13.55	14.05
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			

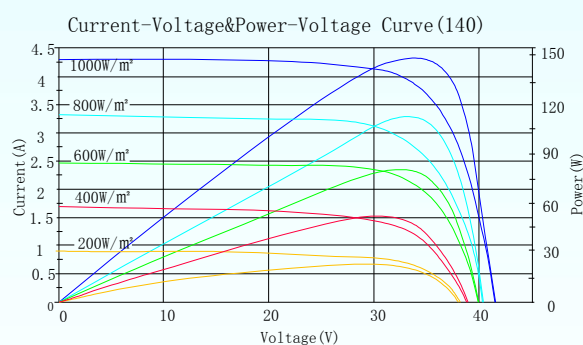
Engineering Drawings



Mechanical Characteristics

Solar cell	Poly-Crystalline 156*78mm
No. of cells	72(4×18)
Dimensions	1480mm*673mm*35mm
Weight	12kg
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