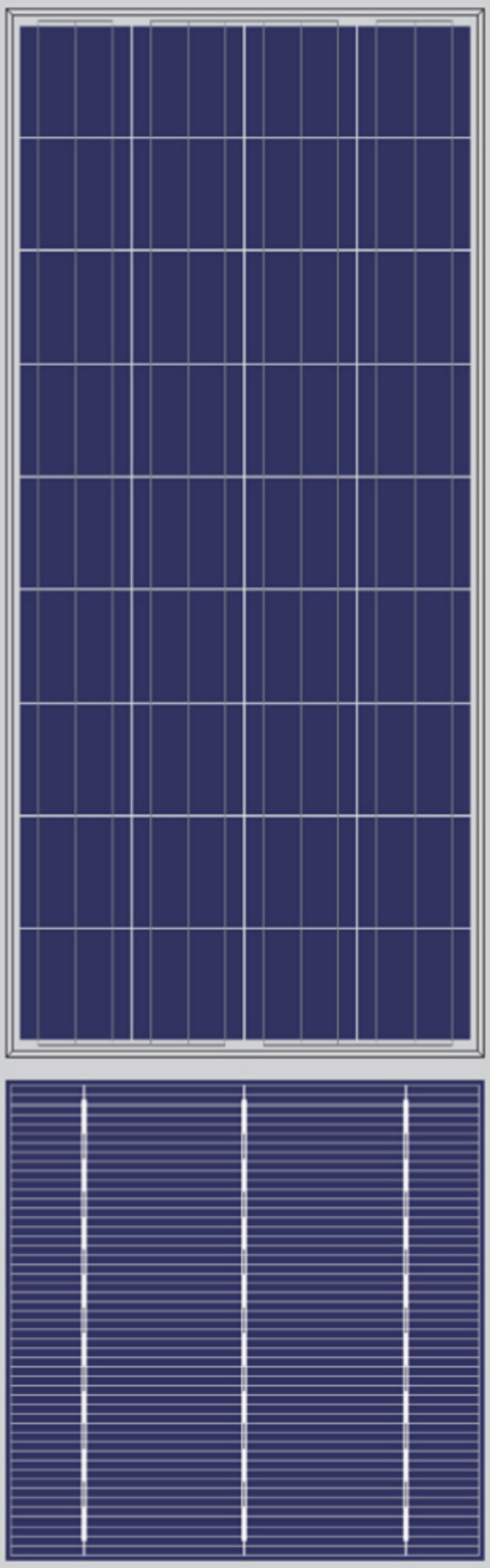
POLYCRYSTALLINE SILICON MODULE



GREENERGY POWER
SOLAR TECHNOLOGY

GP-130 GP-135 GP-140 GP-145 GP-150

POLYCRYSTALLINE SILICON MODULE

Products Characteristics

- Widely using of the most popular and mature type of modules for off-grid system.
- Leading manufacturing technology in PV industry, strictly controlling the quality of raw materials and the process of producing
- 100% EL inspection, ensures modules are defects free.
- Cells binned by current to improve module performance
- Anti reflective glass. Not only to increase the light absorption, but also to make the module has the function of self-cleaning in water environment, effectively reducing the power loss caused by dust.
- Outstanding performance in low-light irradiance environments.
- Excellent mechanical load resistance:Certified to withstand high wind loads(2400pa) and snow loads(5400pa).
- High salt and ammonia resistance
- Positive power tolerance:0-+5w

Warranty

- 5 years product warranty
- 10-years 90% of Min. rated output power,and 25-years 80% of Min. rated output power warranty

GP-130 GP-135 GP-140 GP-145 GP-150

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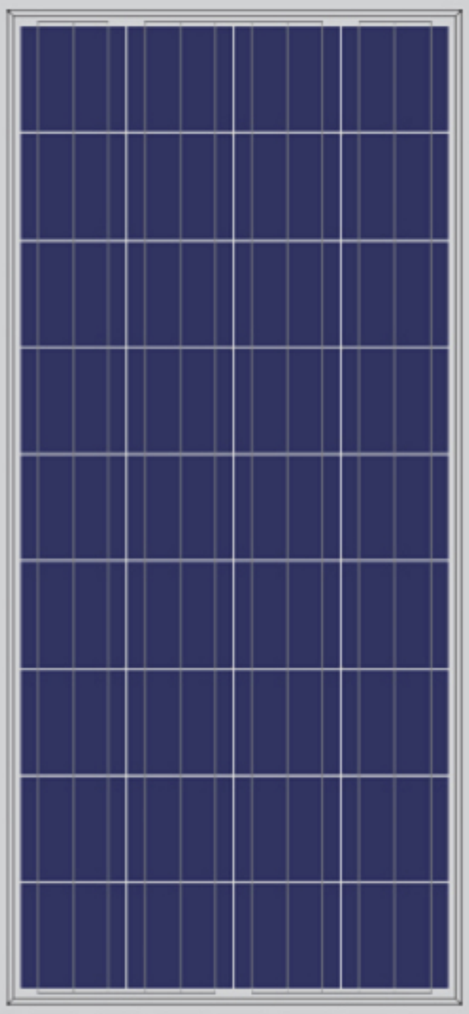
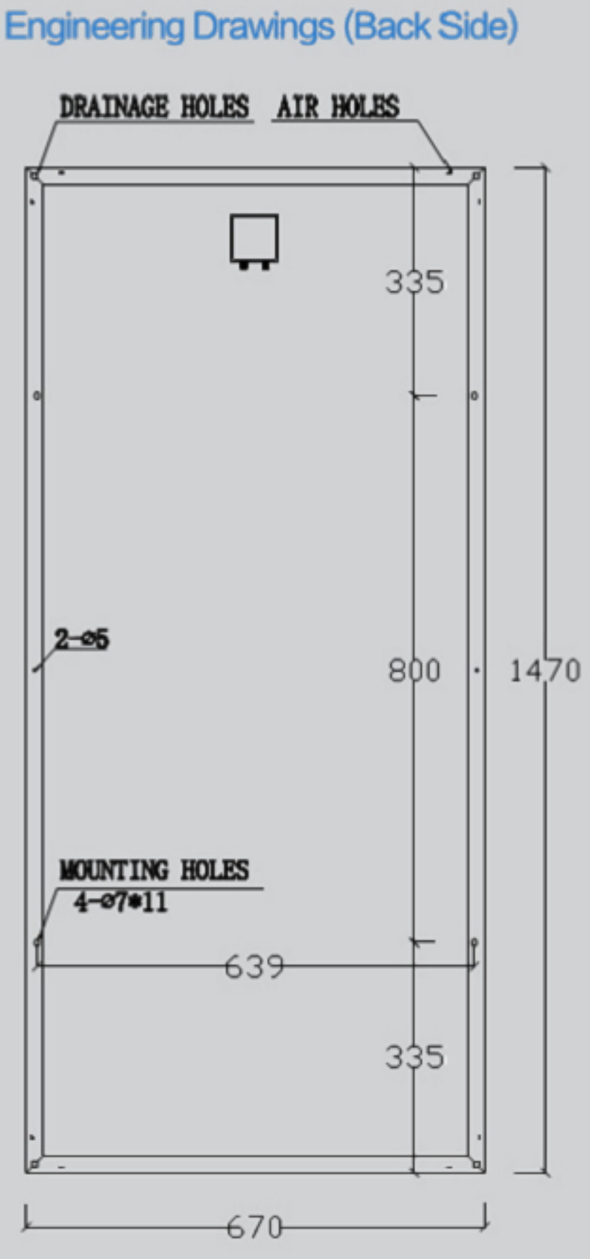
▼ Engineering Drawings (Front Side)



▼ Engineering Drawings (Back Side)



Raw materials and Mechanical Parameters

	GP-130	GP-135	GP-140	GP-145	GP-150
Type of Cells(mm)	poly156×156				
NO. of Cells and Connections	4×9=36				
Dimensions(mm)(L*W*H)	1470×670×30				
Weight(kg)	11.0				
Glass	3.2mmTempered Glass				
Encapsulation	EVA				
Backsheet	Multilayer Composite				
Aluminium-Frame	Silvery/Black Anodized aluminium alloy				
Junction-Box	IP65/IP67				
Cable	NA, but customized is acceptable				
Connector	NA, but MC4 and MC4 Compatible are acceptable				
Package Configuration	4pcs/ctn				

Performance Parameters

	GP-130	GP-135	GP-140	GP-145	GP-150
Maximum System Voltage	700V				
Operating Temperature	-45~+80℃				
Maximum Series Fuse	10A				
Maximum Static Load,Front Side (e.x. Snow,Wind)	5400PA				
Maximum Static Load, Back Side(e.x. Wind)	2400PA				
Application Grade	Class A				

Electrical Parameters (Standard Test Condition)

	GP-130	GP-135	GP-140	GP-145	GP-150
Rated Maximum Power(Mp)	130W	135W	140W	145W	150W
Power Tolerance	0- +5W				
Cell Efficiency	14.90%	15.50%	16.00%	16.60%	17.20%
Open Circuit Voltage(Voc)	22.1V	22.3V	22.4V	22.5V	22.6V
Maximum Power Voltage(Vmp)	17.2V	17.3V	17.4V	17.5V	17.6V
Short Circuit Current(Isc)	8.01A	8.36A	8.59A	8.76A	9.01A
Maximum Power Current(Imp)	7.56A	7.81A	8.05A	8.29A	8.53A
Temperature Coefficient of Isc	+0.06%				
Temperature Coefficient of Voc	-0.33%				
Temperature Coefficient of Pmp	-0.45%				
Standard Test Condition	Irradiance:1000W/M2,Cell Temperature:25℃,Spectrum AM:1.5				

The Electrical Parameters of the module are the average theory figure under the standard test condition, each one exists difference. Can not be treated as the basis of module delivery.