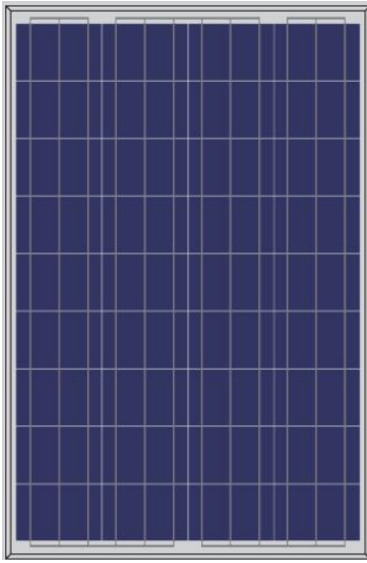




# POLYCRSTALLINE SILICON MODULE 100W

6P-100 6P-105 6P-110



## Products Characteristics

- Widely using of the most popular and mature type of modules for off-grid system.
- Leading manufacturing technology in PV industry, strictly control 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-reflection glass. Not only to increase the light absorption, but also to make the module has the funtion 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 load(2400pa) and snow loads (5400pa).
- High performance of salt and ammonia resistance.
- Positive power tolerance: 0~+5W.

## Warranty

- 10years products warranty.
- 10 years 90%、25 years 80% output power warranty.

## PRODUCTS CERTIFICATION

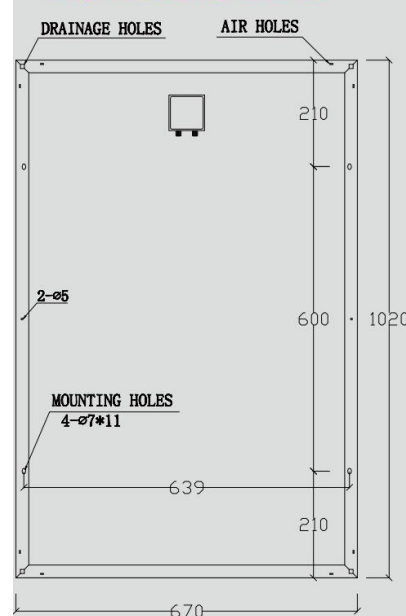
- ISO9001:2008: ISO Quality management systems
- IEC61215、IEC61730
- CQC Certificate
- CE Certificate
- SGS-TUVCertificate

## Raw materials and mechanical para.

	6P-100	6P-105	6P-110
Solar cell dimension (mm)	Poly crystalline156X104/156X52mm		
Solar cell quantity (pcs)	4X9=36/4X18=72		
Module dimension (mm)	1020X670X30		
Module weight (kg)	7.7		
Glass	3.2mmTempered Glass		
Encapsulation	EVA		
Backsheet	Multilayer composite		
Aluminium-frame	Silver/black Anodized aluminium alloy		
Junction box	IP65/IP67		
Cable	NA, but customized is acceptable		
Connector	NA, but MC4 or MC4 compatible are acceptable		
Package configuration	4pcs/ctn		



Engineering Drawings (Back Side)



## Performance parameters

	6P-100 6P-105 6P-110
Maximum system voltage	700V
Operating temperature	-45°C-+80°C
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)

	6P-100	6P-105	6P-110
Rated max. Power(Wp)	100W	105W	110W
Power tolerance		0-+5W	
Cell efficiency	17.20%	18.00%	18.90%
Open circuit voltage	22.3V	22.5V	22.9V
Max. power voltage (Vmp)	18.2V	18.4V	18.7V
Short circuit current (Isc)	5.82A	6.05A	6.24A
Max. power current(Imp)	5.49A	5.71A	5.88A
Temperature coefficient of Isc		+0.06%	
Temperature coefficient of Voc		-0.33%	
Temperature coefficient of Pmp		-0.45%	
Rated max. Power(Wp)	Irradiance: 1000W/M2、Cell temperature 25°C、Spectrum AM: AM1.5		

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.