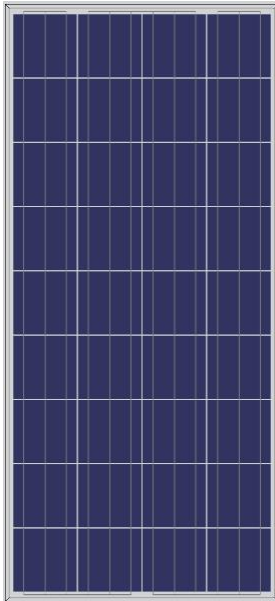




# POLYCRYSTALLINE SILICON MODULE 145W

P6-130 P6-135 P6-140 P6-145 P6-150



## Products Characteristics

- Widely using of the most popular and mature type of modules for on-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~+5%.

## Warranty

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

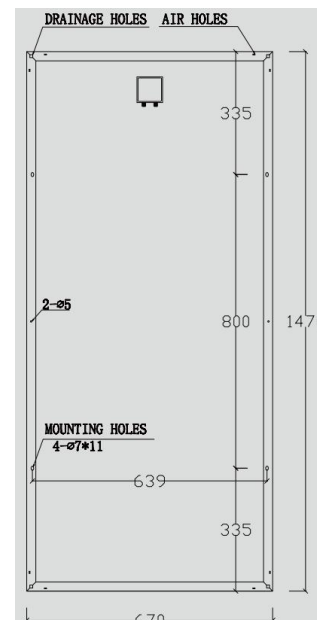
## PRODUCTS CERTIFICATION

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

## Raw materials and mechanical para.



	6P-150 6P-155 6P-160 6P-165
Solar cell dimension (mm)	Poly crystalline 156X156mm
Solar cell quantity (pcs)	6X9=36
Module dimension (mm)	1470X670X40
Module weight (kg)	11
Glass	3.2mm Tempered 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 and MC4 compatible are acceptable
Package configuration	4pcs/ctn



Engineering Drawing (Back Side)

## Performance parameters

	6P-150	6P-155	6P-160	6P-165
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-150	6P-155	6P-160	6P-165	
Rated max. Power(Wp)	130W	135W	140W	145W	150W
Power tolerance	0-+5%				
Cell efficiency	17.2%	17.8%	18.3%	18.9%	17.2%
Open circuit voltage	22.3V	22.5V	22.7V	23.1V	22.3V
Max. power voltage (Vmp)	18.2V	18.4V	18.6V	18.96V	18.2V
Short circuit current (Isc)	8.75A	8.94A	9.13A	9.25A	8.75A
Max. power current(Imp)	8.25A	8.43A	8.61A	8.73A	8.25A
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.