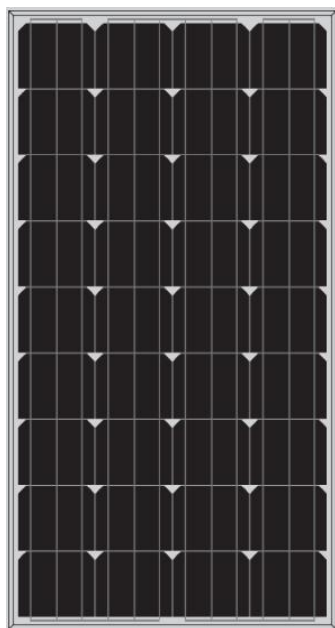




# MONOCRYSTALLINE SILICON MODULE 140WP SERIES

6M-135 6M-140 6M-145



## 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 salt and ammonia resistance.
- Positive power tolerance: 0~+5%.

### Warranty

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

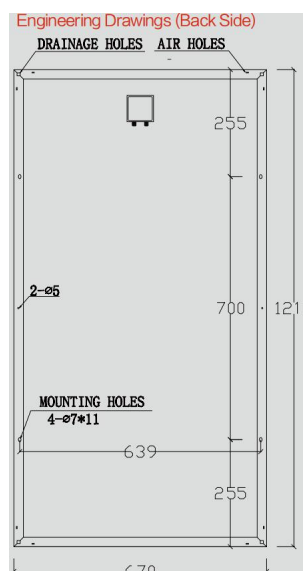
## PRODUCTS CERTIFICATION

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

## Raw materials and mechanical para.



	6M-135 6M-140 6M-145
Solar cell dimension (mm)	Mono crystalline156.75X125.4
Solar cell quantity (pcs)	4X9=36
Module dimension (mm)	1210X670X30
Module weight (kg)	9.1
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 Drawing (Back Side)

## Performance parameters

	6M-135	6M-140	6M-145
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)

	6M-135	6M-140	6M-145
Rated max. Power(Wp)	135W	140W	145W
Power tolerance	0~+5%		
Cell efficiency	19.5%	20.3%	21.1%
Open circuit voltage	22.7V	22.8V	22.9V
Short circuit current (Isc)	7.69A	7.89A	8.05A
Max. power current(Imp)	7.26A	7.45A	7.59A
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°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.			