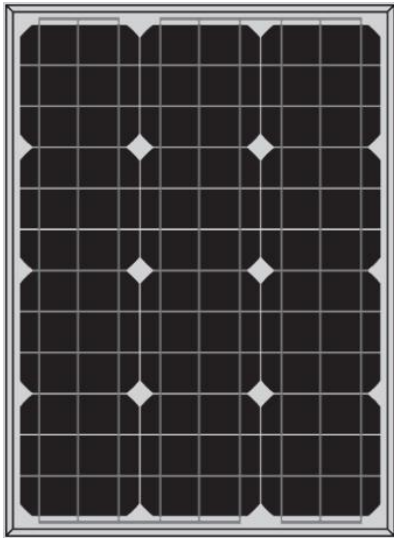




MONOCRYSTALLINE SILICON MODULE 55WP

6M-50 6M-55 6M-60



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.

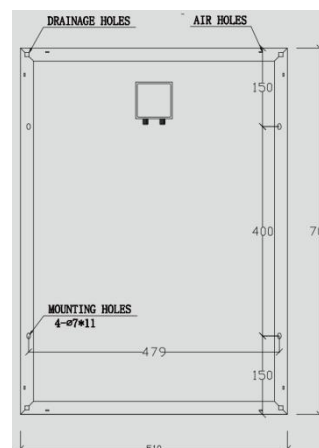
PRODUCTS CERTIFICATION

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

Raw materials and mechanical para.



	6M-50 6M-55 6M-60
Solar cell dimension (mm)	Mono crystalline156X52mm
Solar cell quantity (pcs)	3X12=36
Module dimension (mm)	700X510X30
Module weight (kg)	4.5
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	6pcs/ctn



Engineering Drawing (Back Side)

Performance parameters

	6M-50	6M-55	6M-60
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-50	6M-55	6M-60
Rated max. Power(Wp)	50W	55W	60W
Power tolerance	0~+5%		
Cell efficiency	17.6%	19.1%	20.8%
Open circuit voltage	22.1V	22.7V	23.4V
Max. power voltage (Vmp)	18.1V	18.6V	19.1V
Short circuit current (Isc)	2.93A	3.13A	3.33A
Max. power current(Imp)	2.76A	2.96A	3.14A
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.