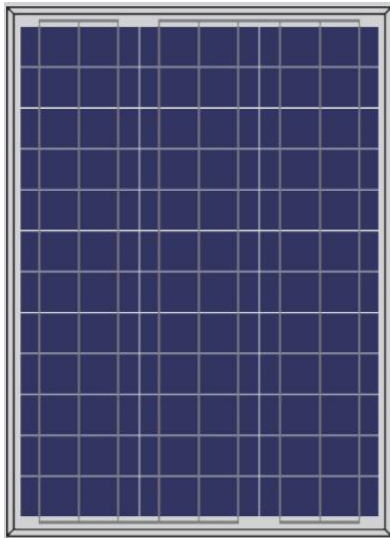




POLYCRYSTALLINE SILICON MODULE 50W

6P-50 6P-55



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

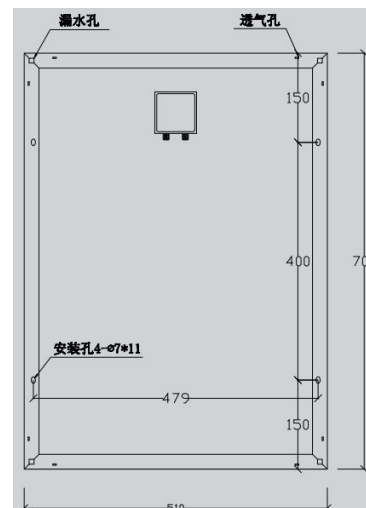
- ISO9001:2008: ISO Quality management systems
- IEC61215、IEC61730
- CQC Certificate
- CE Certificate
- SGS-TUVCertificate

Raw materials and mechanical para.



6P-50 6P-55

Solar cell dimension (mm)	Poly 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
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

	6P-50	6P-55
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-50	6P-55
Rated max. Power(Wp)	50W	55W
Power tolerance		0~+5W
Cell efficiency	17.2%	18.9%
Open circuit voltage	22.3V	22.7V
Max. power voltage (Vmp)	18.2V	18.6V
Short circuit current (Isc)	2.91A	3.13A
Temperature coefficient of Isc	2.75A	2.96A
Temperature coefficient of Voc		+0.06%
Temperature coefficient of Pmp		-0.33%
Rated max. Power(Wp)		-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.