










Warranty

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

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%.

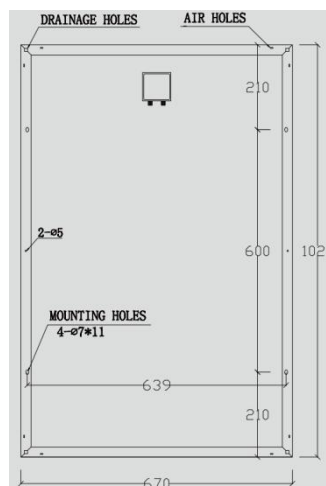
PRODUCTS CERTIFICATION

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

Raw materials and mechanical para.

6M-110 6M-115

Solar cell dimension (mm)	Mono crystalline156X104/156X52mm
Solar cell quantity (pcs)	4X9=36/4X8=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 Drawing (Back Side)

Performance parameters

6M-110 6M-115	
Maximum system voltage	700V
Operating temperature	'-45℃-+80℃
Maximum series fuse	10A
Maximum static load, front side (e.x. snow, wind)	5400PA
Maximum static load, back side (e.x. wind)	2400PA
Applicaition grade	Class A

Electrical parameters (Standard test condition)

	6M-110	6M-115
Rated max. Power(Wp)	110W	115W
Power tolerance	0-+5%	
Cell efficiency	19.1%	19.9%
Open circuit voltage	23.2V	23.0V
Max. power voltage (Vmp)	18.6V	18.8V
Short circuit current (Isc)	6.27A	6.48A
Max. power current(Imp)	5.91A	6.12A
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℃、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.		