

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

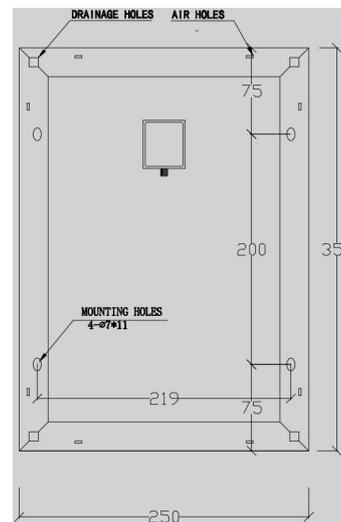
- ISO9001:2008: ISO Quality management systems
- IEC61215、IEC61730
- CQC Certificate
- CE Certificate
- SGS-TUVCertificate

Raw materials and mechanical para.



6M-10

Solar cell dimension (mm)	Mono crystalline52X31.2mm
Solar cell quantity (pcs)	4X9=36
Module dimension (mm)	350X250X25
Module weight (kg)	1.2
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	20pcs/ctn



Engineering Drawing (Back Side)

Performance parameters

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Maximum system voltage	700V
Operating temperature	-45°C~+80°C
Maximum series fuse	10A
Maximum static load, front side (e.x. snow, wind)	2400PA
Maximum static load, back side (e.x. wind)	2400PA
Application grade	Class A

Electrical parameters (Standard test condition)

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Rated max. Power(Wp)	10W
Power tolerance	0~+5%
Cell efficiency	17.6%
Open circuit voltage	22.6V
Max. power voltage (Vmp)	17.6V
Short circuit current (Isc)	0.61A
Max. power current(Imp)	0.57A
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.