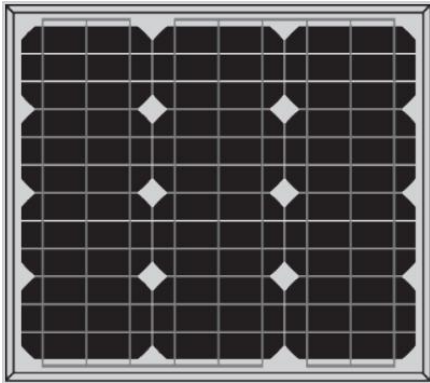# MONOCRYSTALLINE SILICON MODULE 30WP SERIES

## ------ M6-30   6M35

## Products Characteristics

- Widely usiing 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 (2400pa).
- 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-30 6M-35 |
|---|---|
| Solar cell dimension （mm） | Mono crystalline156X31.2mm |
| Solar cell quantity （pcs） | 3X12=36 |
| Module dimension （mm） | 450X510X30 |
| Module weight （kg） | 2.7 |
| 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 | 10pcs/ctn |

## Engineering Drawing (Back Side)
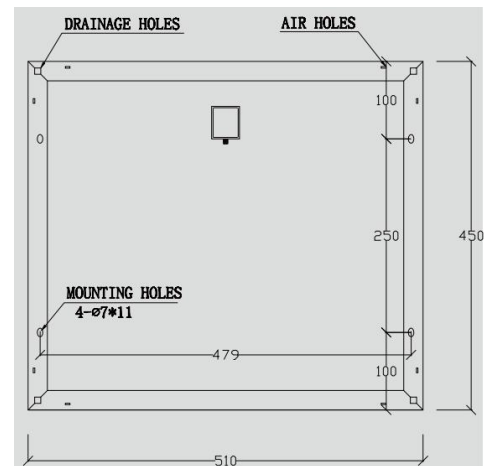
## Performance parameters

| | 6M-30 6M-35 |
|---|---|
| Maximum system voltage | 700V |
| Operating temperature | '-45℃-+80℃ |
| Maximum series fuse | 10A |
| Maximum static load, front side (e.x. snow, wind) | 2400PA |
| Maximum static load, back side (e.x. wind) | 2400PA |
| Applicaition grade | Class A |

## Electrical parameters (Standard test condition)

| | 6M-30 | 6M35 |
|---|---|---|
| Rated max. Power(Wp) | 30W | 35W |
| Power tolerance | 0-+5% | |
| Cell efficiency | 17.6% | 20.0% |
| Open circuit voltage | 22.6V | 22.6V |
| Max. power voltage (Vmp) | 17.6V | 17.8V |
| Short circuit current (Isc) | 1.83A | 2.08A |
| Max. power current(Imp) | 1.71A | 1.97A |
| 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.