



**ORI-35M**

## Small Size 35 Watt Monocrystalline Solar Module



### Features

High power output module conversion efficiency with stable cell production technology.

Anti-reflective and anti-soiling surface reduces power loss from dirt and dust.

Outstanding performance in low-light irradiance environments.

Certified to withstand: wind load and snow load.

High salt mist and ammonia resistance certified by TUV Rheinland.

### Quality and Safety

Designed according to and complying with all requirements in IEC 61730 , IEC 61215, UL1703, CEC Listed, MCS and CE.

ISO 9001:2008:Quality management systems.  
ISO 14001:2004:Environmental management systems.  
BS OHSAS 18001:2007:Occupational health and safety management systems.



### Applications

- On-grid residential roof-tops
- On-grid commercial/industrial roof-tops
- Solar power stations
- Other on-grid applications

**ORI-35M**

### Electrical Characteristics

|                                 |              |
|---------------------------------|--------------|
| Model                           | ORI-35M      |
| Optimum Operating Voltage (Vmp) | 17.82V       |
| Optimum Operating Current (Imp) | 1.96A        |
| Open-Circuit Voltage (Voc)      | 22.54V       |
| Short-Circuit Current (Isc)     | 2.10A        |
| Cell Efficiency (%)             | 16.76%       |
| Module Efficiency (%)           | 12.47%       |
| Tolerance Wattage (e.g. +/-3%)  | 0 ~ +3%      |
| Maximum Power(W)                | 35 Watt      |
| NOCT                            | 47°C +/- 2°C |

### General Characteristics

|                     |                                       |
|---------------------|---------------------------------------|
| Solar Cell          | 156*38.3 (39.7) MONO                  |
| Number of Cells     | 3*12                                  |
| Dimension           | 545mm*515mm*28mm                      |
| Weight              | 3.4KG                                 |
| Front Glass         | 3.2mm tempered glass                  |
| Frame               | 28#                                   |
| Allowable Hail Load | 23m/s, 7.53 g                         |
| Classification      | TPT backing, FF 70-76%,-40°C to +85°C |

### Temperature Coefficients

|  |       |
|--|-------|
| Temperature Coefficient of Im (%/°C)   | +0.04 |
| Temperature Coefficient of Pmax (%/°C) | -0.47 |
| Temperature Coefficient of Voc (%/°C)  | -0.38 |
| Temperature Coefficient of Isc (%/°C)  | +0.04 |
| Temperature Coefficient of Vm (%/°C)   | -0.38 |

### Packing Solution

|                      |               |
|----------------------|---------------|
| Packing              | Wooden Box    |
| Pieces per container | 70pcs/Pallets |

### Engineering Drawing

