



ORI-80-85M

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Small Size 70 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

Electrical Characteristics

| Model | ORI-80M | ORI-85M |
|---------------------------------|--------------|---------|
| Optimum Operating Voltage (Vmp) | 17.69V | 17.95V |
| Optimum Operating Current (Imp) | 4.52A | 4.74A |
| Open-Circuit Voltage (Voc) | 22.54V | 22.57V |
| Short-Circuit Current (Isc) | 4.84A | 5.07A |
| Cell Efficiency (%) | 16.02% | 16.98% |
| Module Efficiency (%) | 13.23% | 14.06% |
| Tolerance Wattage (e.g. +/-3%) | 0 ~ +3% | |
| Maximum Power(W) | 80 Watt | 85Watt |
| NOCT | 47°C +/- 2°C | |

General Characteristics

| | |
|---------------------|---------------------------------------|
| Solar Cell | 156*93 MONO |
| Number of Cells | 4*9 |
| Dimension | 905mm*668mm*35mm |
| Weight | 7.2KG |
| Front Glass | 3.2mm tempered glass |
| Frame | 35# |
| 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 | 30pcs/Pallets |

Engineering Drawing

