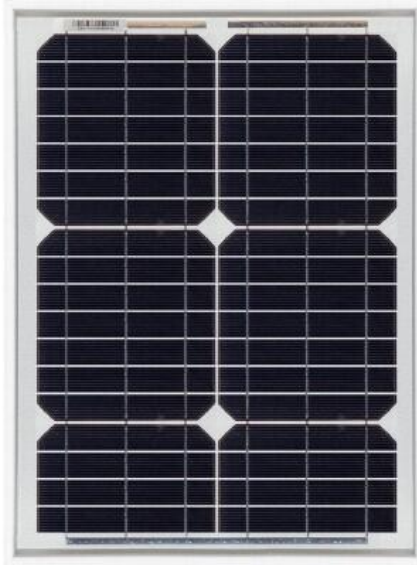




ORI-20M

Small Size 20 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-20M

Electrical Characteristics

| | |
|---------------------------------|--------------|
| Model | ORI-20M |
| Optimum Operating Voltage (Vmp) | 17.82V |
| Optimum Operating Current (Imp) | 1.12A |
| Open-Circuit Voltage (Voc) | 22.54V |
| Short-Circuit Current (Isc) | 1.20A |
| Cell Efficiency (%) | 16.76% |
| Module Efficiency (%) | 11.45% |
| Tolerance Wattage (e.g. +/-3%) | 0 ~ +3% |
| Maximum Power(W) | 20 Watt |
| NOCT | 47°C +/- 2°C |

General Characteristics

| | |
|---------------------|---------------------------------------|
| Solar Cell | 156*21.9 (23.5) MONO |
| Number of Cells | 2*18 |
| Dimension | 485mm*360mm*28mm |
| Weight | 2.3KG |
| 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 | 140pcs/Pallets |

Engineering Drawing

