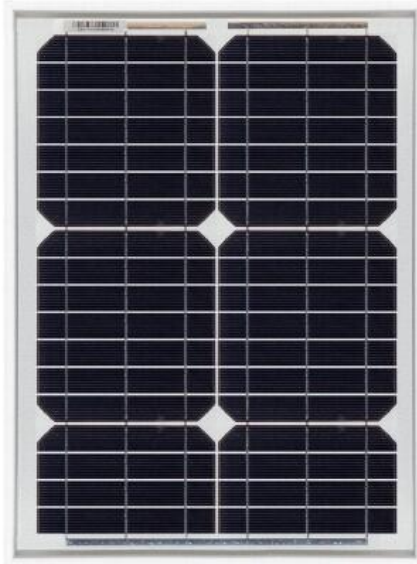




ORI-20M

## 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

