



ORI-5M

## Small size 5 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.

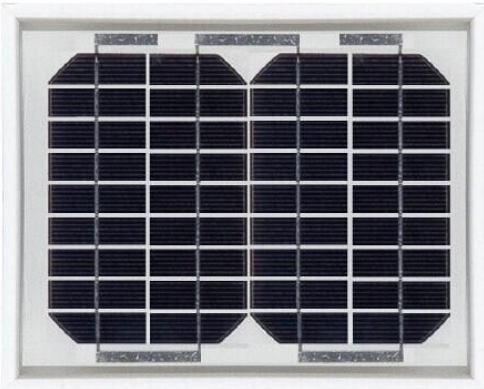
Certified to withstand: wind load and snow load.

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

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### Electrical Characteristics

Model	ORI-5M
Optimum Operating Voltage (Vmp)	18.57V
Optimum Operating Current (Imp)	0.27A
Open-Circuit Voltage (Voc)	22.64V
Short-Circuit Current (Isc)	0.29A
Cell Efficiency (%)	17.96%
Module Efficiency (%)	9.16%
Tolerance Wattage (e.g. +/-3%)	0 ~ +3%
Maximum Power(W)	5 Watt
NOCT	47°C +/- 2°C

### General Characteristics

Solar Cell	52*15.3 (16.8) MONO
Number of Cells	4*9
Dimension	260mm*210mm*18mm
Weight	0.7KG
Front Glass	3.2mm tempered glass
Frame	18#
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	200pcs/Pallets

### Engineering Drawing

