



# ORI-270M

250-270Watt

## 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.

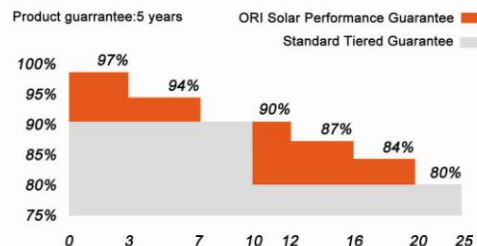
High salt mist and ammonia resistance certified by TUV Rheinland.

**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.



### Warranties



# ORI-270M

### Electrical Characteristics

Model	ORI-250M	ORI-255M	ORI-260M	ORI-265M	ORI-270MP
Optimum Operating Voltage (Vmp)	30.6V	30.8V	30.9V	31.2V	31.4V
Optimum Operating Current (Imp)	8.17A	8.28A	8.42A	8.50A	8.60A
Open-Circuit Voltage (Voc)	37.6V	37.8V	37.9V	38.2V	38.4V
Short-Circuit Current (Isc)	8.70A	8.96A	9.10A	9.19A	9.28A
Maximum Power at STC (Pmax)	250Wp	255Wp	260Wp	265Wp	270Wp
Module Efficiency	15.27%	15.58%	15.89%	16.19%	16.50%
Operating Temperature	-40°C to +85°C				
Maximum System Voltage	1000V DC (IEC)				
Maximum Series Fuse Rating	15A				
Power Tolerance	0~+3%				

### General Characteristics

Solar Cell	Mono-crystalline 156x156mm (6 inches)
Number of Cells	60 (6x10) in series connection
Dimension	1650x992x40mm (65x39.05x1.57 inches)
Weight	18.5kgs(40.8 lbs)
Front Glass	3.2mm, High transmission, Low Iron, Tempered
Frame	Anodized aluminum alloy
Mechanical load	5400 pa
Classification	safety class II; Application class A; IP67 rated

### Temperature Coefficients

NOCT (°C)	45±2
Temperature Coefficient of Pmax (%/°C)	-0.40
Temperature Coefficient of Voc (%/°C)	-0.29
Temperature Coefficient of Isc (%/°C)	0.05

### Packing Solution

Container	40' GP
Pieces per pallet	50
Pallets per container	14
Pieces per container	700

### IV Curves

