# ORI-55M



**Applications** 

**On-grid residential roof-tops** 

Solar power stations

Other on-grid applications

**On-grid commercial/industrial roof-tops** 

# Small Size 55 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.

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#### Electrical Characteristics

Model	ORI-55M
Optimum Operating Voltage (Vmp)	18.08V
Optimum Operating Current (Imp)	3.04A
Open-Circuit Voltage (Voc)	22.59V
Short-Circuit Current (Isc)	3.25A
Cell Efficiency (%)	17.22%
Module Efficiency (%)	13.50%
Tolerance Wattage (e.g. +/-3%)	0~+3%
Maximum Power(W)	55 Watt
NOCT	47℃ +/- 2℃

#### General Characteristics

Solar Cell	156*60 MONO
Number of Cells	4*9
Dimension	610mm*668mm*35mm
Weight	4.9KG
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\ $

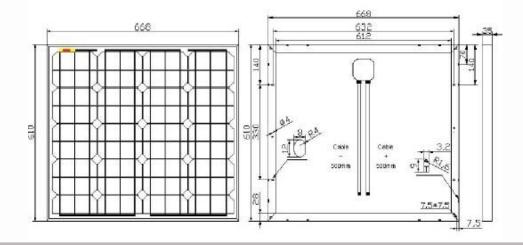
#### Packing Solution



#### A Temperature Coefficients

Temperature Coefficient of Im (%/ $^{\!$	+0.04
Temperature Coefficient of Pmax (%/ ${\ensuremath{\mathcal C}}$ )	-0.47
Temperature Coefficient of Voc (%/ $^{\prime}\!\!\!\!C$ )	-0.38
Temperature Coefficient of Isc (%/ $^{\circ}$ C )	+0.04
Temperature Coefficient of Vm (%/ $^{\prime C}$ )	-0.38

### Engineering Drawing



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