



Small Size 125-155 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

Electrical Characteristics

Model	ORI-125M	ORI-130M	ORI-135M	ORI-140M	ORI-145M	ORI-150M	ORI-155M
Optimum Operating Voltage (Vmp)	17.32V	17.57V	18.10V	18.46V	18.82V	18.99V	19.16V
Optimum Operating Current (Imp)	7.22A	7.40A	7.46A	7.58A	7.70A	7.90A	8.09A
Open-Circuit Voltage (Voc)	22.43V	22.50V	22.02V	22.11V	22.34V	22.42V	22.50V
Short-Circuit Current (Isc)	7.72A	7.92A	7.98A	8.11A	8.24A	8.45A	8.66A
Cell Efficiency (%)	14.97%	15.57%	16.16%	16.76%	17.36%	17.96%	18.56%
Module Efficiency (%)	12.60%	13.11%	13.61%	14.11%	14.62%	15.12%	15.63%
Tolerance Wattage (e.g. +/-3%)				0 ~ +3%			
Maximum Power(W)	125 Watt	130Watt	135Watt	140Watt	145Watt	150Watt	155Watt
NOCT	47°C +/- 2°C						

General Characteristics

Solar Cell	156*156 MONO
Number of Cells	4*9
Dimension	1485mm*668mm*35mm
Weight	11.6KG
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

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	30pcs/Pallets

Engineering Drawing

