ORI-40-45M



Small Size 40-45 Watt Monocrystalline Solar Module

Features

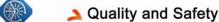
High power output module conversion efficiency with stable cell production technology.

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.



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.









≥ Electrical Characteristics

Model	ORI-40M ORI-45M
Optimum Operating Voltage (Vmp)	17.69V 19.01V
Optimum Operating Current (Imp)	2.26A 2.37A
Open-Circuit Voltage (Voc)	22.54V 22.72V
Short-Circuit Current (Isc)	2.42A 2.53A
Cell Efficiency (%)	16.56% 18.63%
Module Efficiency (%)	12.74% 14.33%
Tolerance Wattage (e.g. +/-3%)	0 ~ +3%
Maximum Power(W)	40 Watt 45 Watt
NOCT	47℃ +/- 2℃

General Characteristics

Solar Cell	156*44.3 (45.7) MONO
Number of Cells	4*9
Dimension	470mm*668mm*28mm
Weight	3.8KG
Front Glass	3.2mm tempered glass
Frame	28#
Allowable Hail Load	23m/s, 7.53 g
Classification	TPT backing, FF 70-76%,-40℃ to +85℃

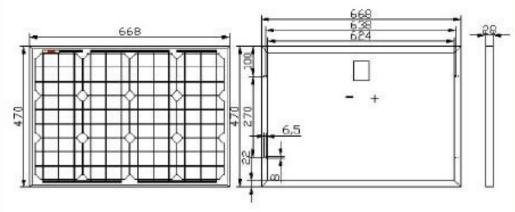
▲ Temperature Coefficients

Temperature Coefficient of Im (%/℃)	+0.04
Temperature Coefficient of Pmax (%/℃)	-0.47
Temperature Coefficient of Voc (%/℃)	-0.38
Temperature Coefficient of Isc (%/°C)	+0.04
Temperature Coefficient of Vm (%/℃)	-0.38

Packing Solution

Packing	Wooden Box
Pieces per container	60pcs/Pallets

Engineering Drawing





Applications

On-grid residential roof-tops
On-grid commercial/industrial roof-tops
Solar power stations
Other on-grid applications