Small Size 90-100 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

Modules sorted by current, optimizing System power germeration

High Efficiency

Stable Power

Low Carbon Emission

Excellent Weather Resistance

➤ Electrical Characteristics

Model	ORI-90M	ORI-95M	ORI-100M
Optimum Operating Voltage (Vmp)	17.69V	17.95V	18.78V
Optimum Operating Current (Imp)	5.09A	5.29A	5.32A
Open-Circuit Voltage (Voc)	22.54V	22.57V	22.64V
Short-Circuit Current (Isc)	5.44A	5.66A	5.70A
Cell Efficiency (%)	16.09%	16.98%	17.88%
Module Efficiency (%)	13.41%	14.15%	14.90%
Tolerance Wattage (e.g. +/-3%)	0 ~ +3%		
Maximum Power(W)	90 Watt	95Watt	100Watt
NOCT	47℃ +/- 2℃		

➤ General Characteristics

Solar Cell	156*104 MONO
Number of Cells	4*9
Dimension	1005mm*668mm*35mm
Weight	8.0KG
Front Glass	3.2mm tempered glass
Frame	35#
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 (%/℃)	+0.04
Temperature Coefficient of Vm (%/℃)	-0.38

➤ Packing Solution

Packing	Wooden Box
Pieces per container	30pcs/Pallets

➤ Engineering Drawing