



100Watt Polycrystalline 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.

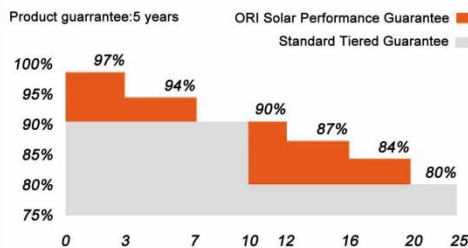
Quality and Safety

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.



25-YEAR WARRANTY

Warranties



Electrical Characteristics

Model	ORI-100D-12/TFA
Optimum Operating Voltage (Vmp)	17.5V
Optimum Operating Current (Imp)	5.72A
Open-Circuit Voltage (Voc)	22.3V
Short-Circuit Current (Isc)	5.91A
Maximum Power at STC (Pmax)	100Wp
Nominal Voltage	12V
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V
Maximum Series Fuse Rating	15A
Power Tolerance	±5%

General Characteristics

Solar Cell	Polycrystalline
Number of Cells	36 (4x9)
Dimension	1131×676×35mm (44.6×26.7×1.38inches)
Weight	9.4 Kgs (20.7 lbs)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Mechanical load	5400 pa
Classification	Application class A; IP65; H4 connector Output Cables Symmetrical length (±)1750mm/29.5 inches

Temperature Coefficients

NOCT (°C)	45±2
Temperature Coefficient of Pmax (%/°C)	-0.47
Temperature Coefficient of Voc (%/°C)	-0.34
Temperature Coefficient of Isc (%/°C)	0.045

IV Curves

