



IGNITE THE POWER OF NATURE

# Monocrystalline Module

--small size 100Watt

## Model (RD100TU-18MD) Specifications

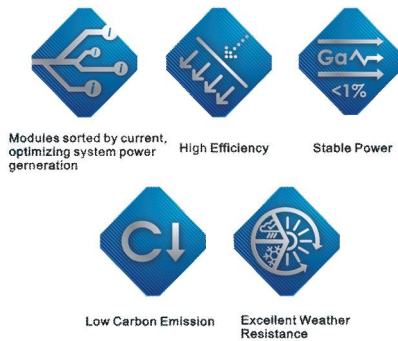


### Electrical Data

Maximum Power(W)	100W
Optimum Power Voltage(Vmp)	18.78V
Optimum Operating Current(Imp)	5.32A
Open Circuit Voltage(Voc)	22.64V
Short Circuit Current(Isc)	5.70A
Cell Efficiency	17.88%
Module Efficiency	14.90%
Tolerance Wattage	0 +3%
NOCT	45°C +/-2°C

### Benefits

- High efficiency solar cells with high transmission and textured glass are delivering high efficiency for modules;
- Bypass diode minimizes the power drop caused by shade;
- Tempered glass, EVA resin, and weatherproof film, plus aluminum frame for extended outdoor use;
- Modules independently tested to ensure conformance with certification and regulatory standards;
- Manufacturing facility certified to ISO 9001 quality management system standards.



### Applications

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

### Temperature Coefficients

Temperature Coefficients of Isc(%)	+0.04
Temperature Coefficients of Voc(%)	-0.38
Temperature Coefficients of Pm(%)	-0.47
Temperature Coefficients of Im(%)	+0.04
Temperature Coefficients of Vm(%)	-0.38





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### Components & Mechanical

Solar Cell	156*104 Mono
Number of Cell(pcs)	4*9
Size of Module(mm)	1005*668*35
Front Glass Thikness(mm)	3.2
Surface Maximum Load Capacity	2400-5400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	8.0
Bypass Diode Rating(A)	10
Frame(Material Corners,etc.)	35#
Temperature Range	-40°C to +85°C
FF (%)	70-78%
Standard Test Conditions	AM1.5 1000W/m <sup>2</sup> 25°C

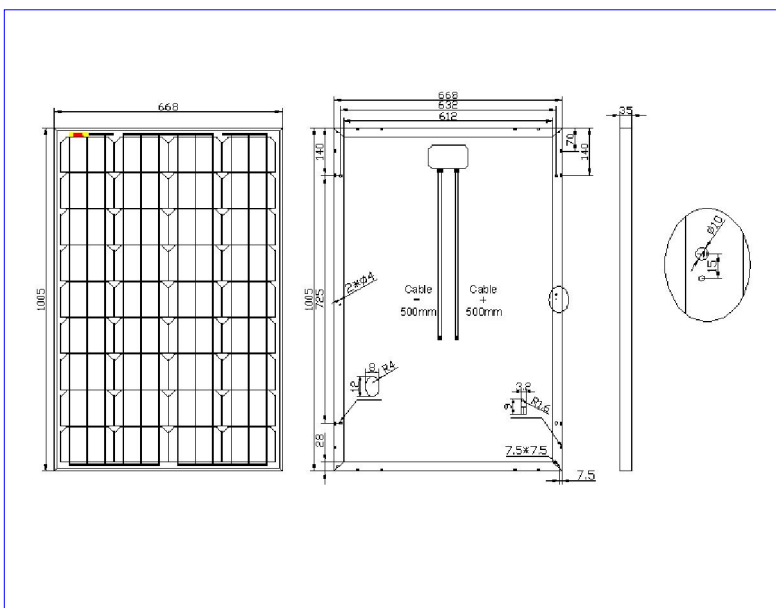
### Packing

Packing	Wooden Box
Pieces per container	30pcs/Pallets

### Project Picture



### Engineering Drawings



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Specifications included in this datasheet are subject to change without notice.



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