



IGNITE THE POWER OF NATURE

# Monocrystalline Module --small size 180Watt

## Model (RD180M6) Specifications



### Electrical Data

Maximum Power(W)	180W
Optimum Power Voltage(Vmp)	19.24V
Optimum Operating Current(Imp)	9.36A
Open Circuit Voltage(Voc)	22.46V
Short Circuit Current(Isc)	23.03A
Cell Efficiency	20.96%
Module Efficiency	18.15%
Tolerance Wattage	0~+3%
NOCT	47°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.

Modules sorted by current, optimizing system power generation

High Efficiency

Stable Power <math><1\%</math>

Low Carbon Emission

Excellent Weather Resistance

### 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(%)/°C	+0.04
Temperature Coefficients of Voc(%)/°C	-0.38
Temperature Coefficients of Pm(%)/°C	-0.47
Temperature Coefficients of Im(%)/°C	+0.04
Temperature Coefficients of Vm(%)/°C	-0.38





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### Components & Mechanical

Solar Cell	156.75*156.75 Mono
Number of Cell(pcs)	4*9
Size of Module(mm)	1485*668*40
Front Glass Thikness(mm)	3.2
Surface Maximum Load Capacity	2400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	11.6
Bypass Diode Rating(A)	10
Frame(Material Corners,etc.)	40#
Temperature Range	-40°C to +85°C
FF (%)	70-76%
Standard Test Conditions	AM1.5 1000W/m <sup>2</sup> 25°C

### Warranty & Certifications

Warranty	25 years limited power warranty
	10 years limited product warranty
Certifications	IEC 61215, IEC 61730

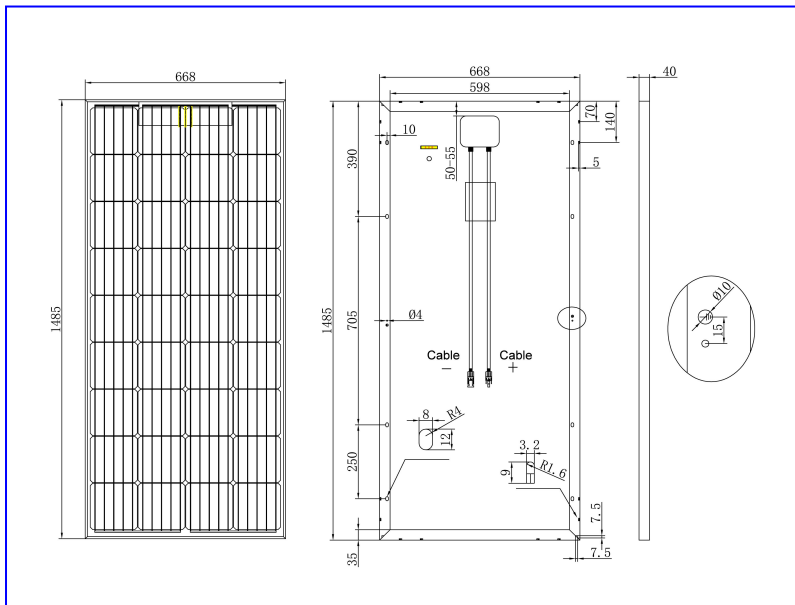
### Packing

Packing	2PCS/CTN or Pallet Packing
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### Project Picture



### Engineering Drawings



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