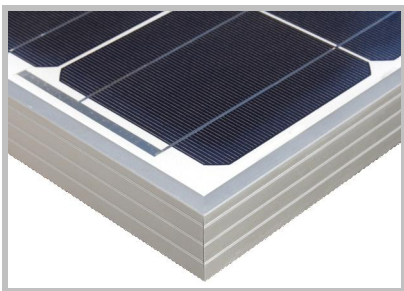
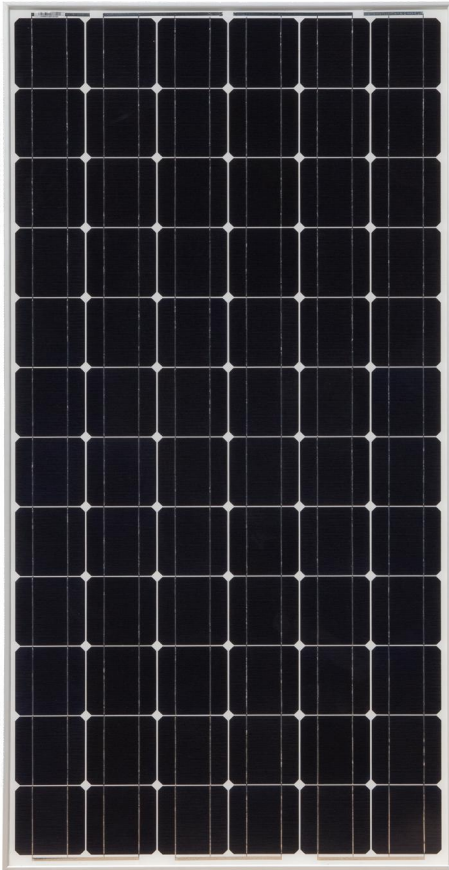




IGNITE THE POWER OF NATURE

Monocrystalline Module
190Watt



Model (RD190M5) Specifications

Electrical Data

Maximum Power(W)	190
Optimum Power Voltage(Vmp)	36.68
Optimum Operating Current(Imp)	5.37
Open Circuit Voltage(Voc)	44.71
Short Circuit Current(Isc)	5.44
Cell Efficiency (%)	17.40
Module Efficiency (%)	14.88
Tolerance Wattage(%)	0 +3
NOCT	47°C +/-2°C

Temperature Coefficients

Temperature Coefficients of Isc(%)	+0.04
Temperature Coefficients of Voc(%)	-0.35
Temperature Coefficients of Pm(%)	-0.45
Temperature Coefficients of Im(%)	+0.04
Temperature Coefficients of Vm(%)	-0.35

Components & Mechanical Data

Solar Cell	125*125 Mono
Number of Cell(pcs)	6*12
Size of Module(mm)	1580*808*40
Front Glass Thickness(mm)	3.2
Surface Maximum Load Capacity	2400-5400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	15
Junction Box Type	Pass the TUV Certificate
Bypass Diode Rating(A)	30
Cable & Connector Type	Pass the TUV Certificate
Frame(Material Corners,etc.)	40#
Temperature Range	-40°C to +85°C
FF (%)	70-76%
Standard Test Conditions	AM1.5 1000W/m ² 25°C

Benefits



Modules sorted by current, optimizing system power generation



High Efficiency



Stable Power



Low Carbon Emission



Excellent Weather Resistance

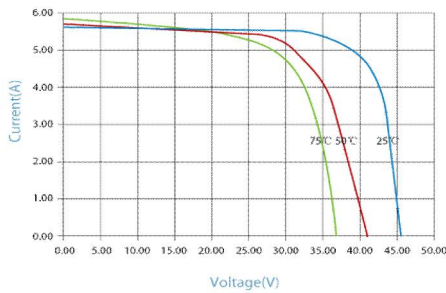




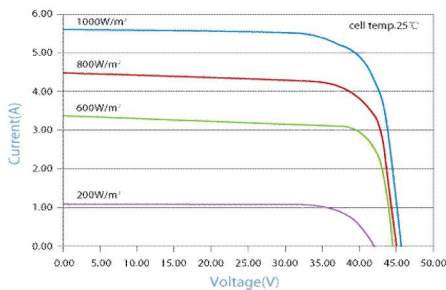
IGNITE THE POWER OF NATURE

Monocrystalline Module 190Watt

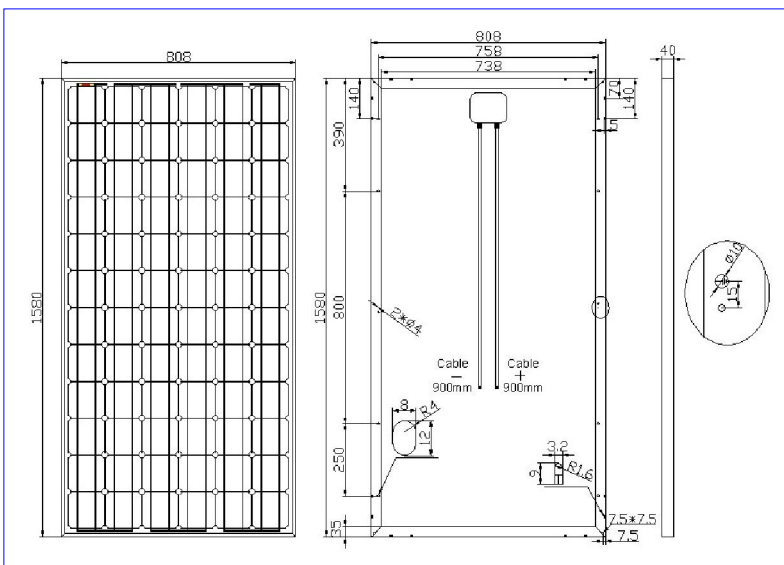
IV-Curves



IV-CURVES of PV module
RD190M5



Engineering Drawings



Manufacturing facility certified to **ISO 9001 / ISO 14001 / OHSAS 18001** quality management system standards.

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

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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Applications

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

Project Picture



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