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Solar Panel Guide Specification Data Sheet

Ningbo Reneled New Energy Co., Ltd

RD10TU-18P

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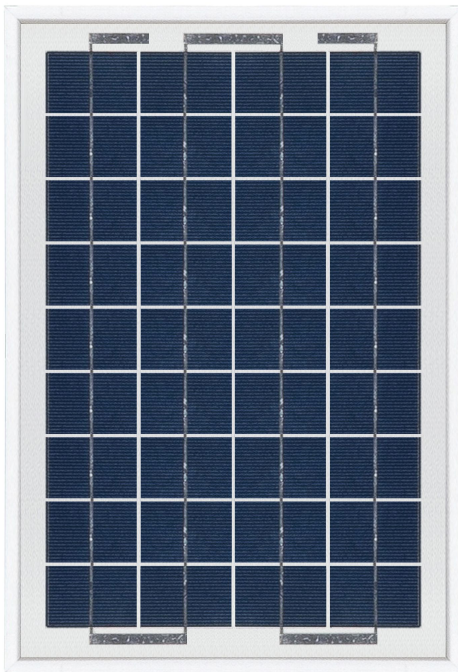
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IGNITE THE POWER OF NATURE

Polycrystalline Module --small size 10Watt

Model (RD10TU-18P) Specifications

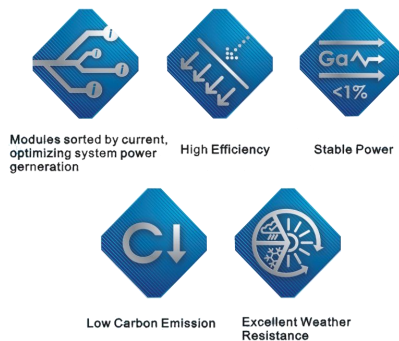


Electrical Data

Maximum Power(W)	10W
Optimum Power Voltage(Vmp)	18.36V
Optimum Operating Current(Imp)	0.54A
Open Circuit Voltage(Voc)	22.00V
Short Circuit Current(Isc)	0.58A
Cell Efficiency	15.72%
Module Efficiency	10.12%
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;
- 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(%) $^{\circ}$ C	+0.04
Temperature Coefficients of Voc(%) $^{\circ}$ C	-0.38
Temperature Coefficients of Pm(%) $^{\circ}$ C	-0.47
Temperature Coefficients of Im(%) $^{\circ}$ C	+0.04
Temperature Coefficients of Vm(%) $^{\circ}$ C	-0.38



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Polycrystalline Module --small size 10Watt

Components & Mechanical

Solar Cell	52*34.66 Poly
Number of Cell(pcs)	4*9
Size of Module(mm)	260*380*18
Front Glass Thikness(mm)	3.2
Surface Maximum Load Capacity	2400-5400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	1.2
Frame(Material Corners,etc.)	18#
Temperature Range	-40°C to +85°C
FF (%)	70-76%
Standard Test Conditions	AM1.5 1000W/m ² 25°C

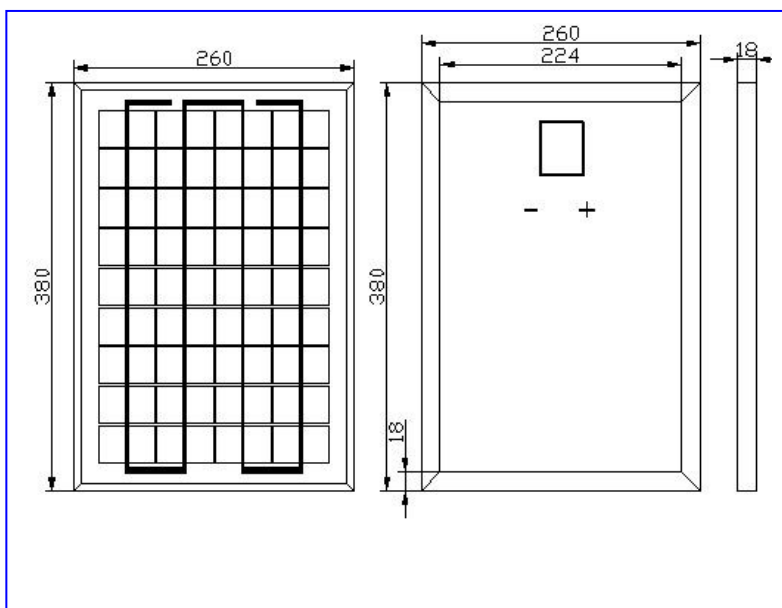
Packing

Packing	Wooden Box
Pieces per container	200pcs/Pallets

Project Picture



Engineering Drawings



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