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Solar Panel Guide Specification Data Sheet

Ningbo Reneled New Energy Co., Ltd

RD20TU-18P

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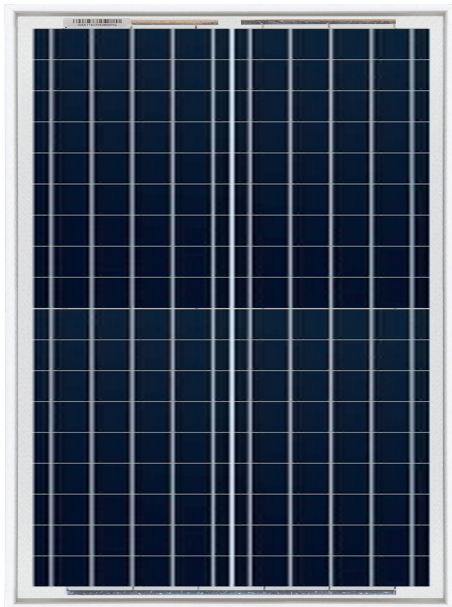
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IGNITE THE POWER OF NATURE

Polycrystalline Module --small size 20Watt

Model (RD20TU-18P) Specifications



Electrical Data

Maximum Power(W)	20W
Optimum Power Voltage(Vmp)	18.50V
Optimum Operating Current(Imp)	1.08A
Open Circuit Voltage(Voc)	22.14V
Short Circuit Current(Isc)	1.16A
Cell Efficiency	17.40%
Module Efficiency	11.45%
Tolerance Wattage	0~+3%
NOCT	47°C +/-2°C

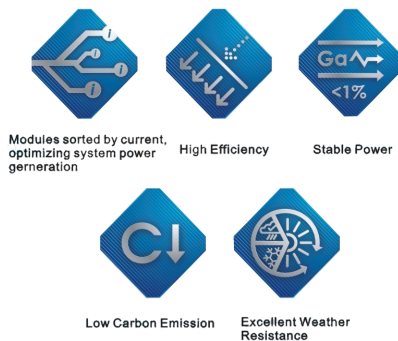
Benefits

☐ 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(%) ^{°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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Polycrystalline Module --small size 20Watt

Components & Mechanical

Solar Cell	156*22.3 Poly
Number of Cell(pcs)	2*18
Size of Module(mm)	485*360*25
Front Glass Thikness(mm)	3.2
Surface Maximum Load Capacity	2400-5400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	2.3
Frame(Material Corners,etc.)	25#
Temperature Range	-40°C to +85°C
FF (%)	70-76%
Standard Test Conditions	AM1.5 1000W/m ² 25°C

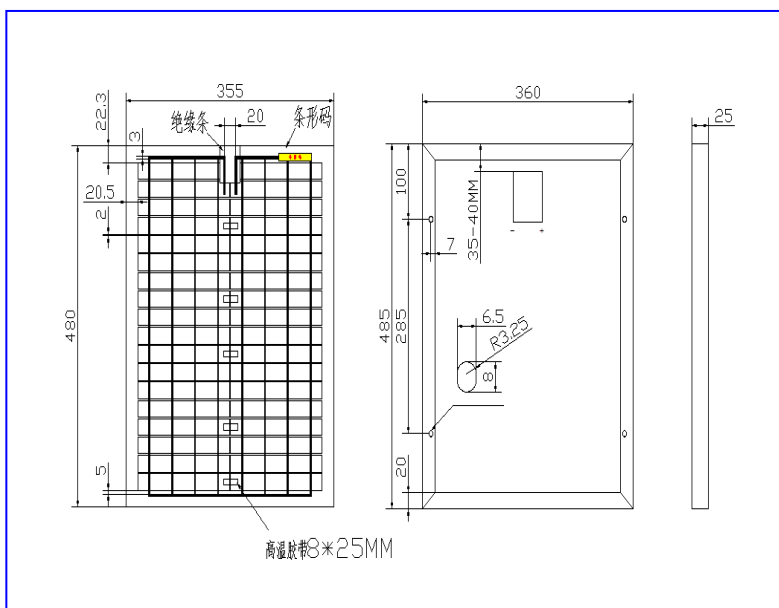
Packing

Packing	Wooden Box
Pieces per container	140pcs/Pallets

Project Picture



Engineering Drawings



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