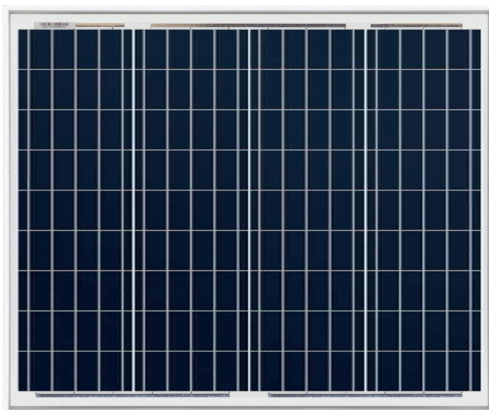




IGNITE THE POWER OF NATURE

Polycrystalline Module --small size 50Watt

Model (RD50TU-18P) Specifications



Electrical Data

Maximum Power(W)	50W
Optimum Power Voltage(Vmp)	19.12V
Optimum Operating Current(Imp)	2.62A
Open Circuit Voltage(Voc)	22.68V
Short Circuit Current(Isc)	2.80A
Cell Efficiency	17.46%
Module Efficiency	13.73%
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.

Modules sorted by current, optimizing system power generation

High Efficiency

Stable Power <1%

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



IGNITE THE POWER OF NATURE

Polycrystalline Module --small size 50Watt

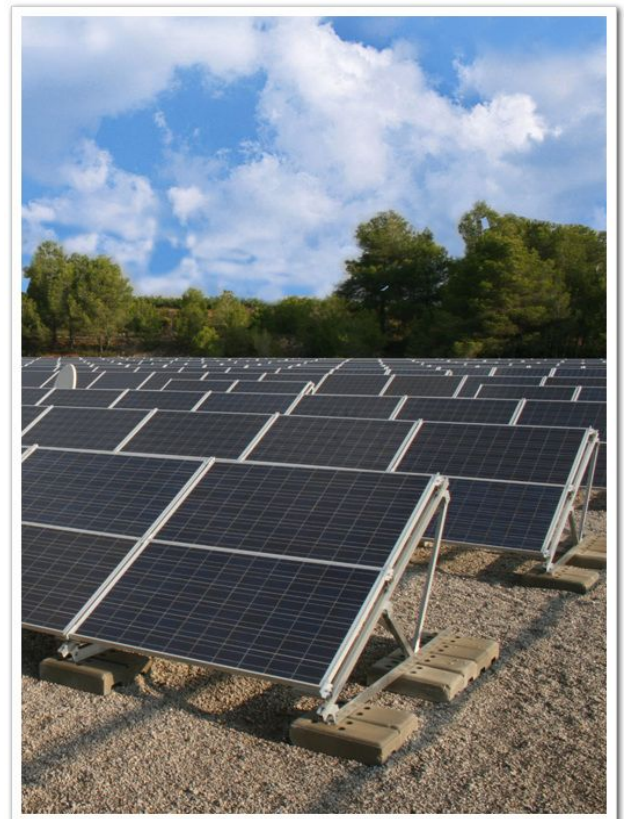
Components & Mechanical

Solar Cell	156*52 Poly
Number of Cell(pcs)	4*9
Size of Module(mm)	545*668*30
Front Glass Thikness(mm)	3.2
Surface Maximum Load Capacity	2400-5400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	4.2
Frame(Material Corners,etc.)	28#
Temperature Range	-40°C to +85°C
FF (%)	70-76%
Standard Test Conditions	AM1.5 1000W/m ² 25°C

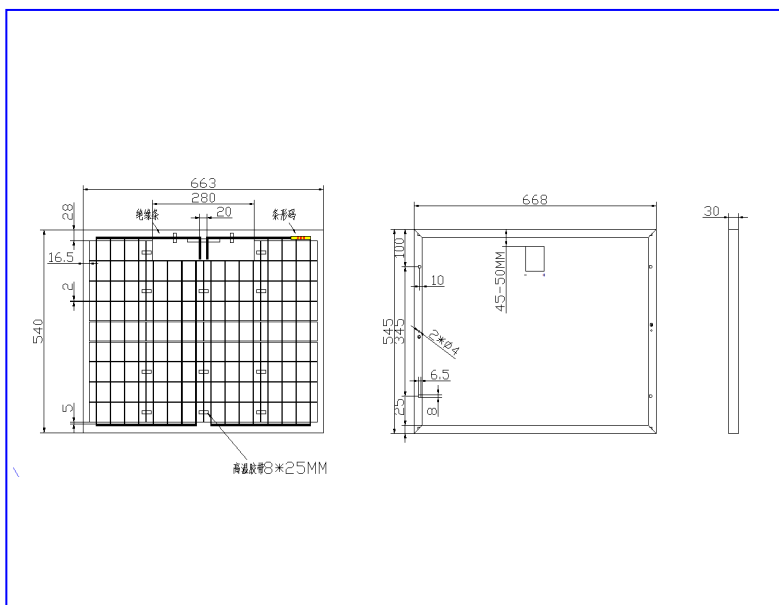
Packing

Packing	Wooden Box
Pieces per container	60pcs/Pallets

Project Picture



Engineering Drawings



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