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Solar Panel Guide Specification Data Sheet

Ningbo Reneled New Energy Co., Ltd

RD120TU-18MD

RD120TU-18MD

Also available on the web at

EnergyPal.com/ningbo-reneled-new-energy-co-ltd-solar-panels/rd120tu-18md



IGNITE THE POWER OF NATURE

Monocrystalline Module --small size 120Watt

Model (RD120TU-18MD) Specifications



Electrical Data

Maximum Power(W)	120W
Optimum Power Voltage(Vmp)	18.22V
Optimum Operating Current(Imp)	6.59A
Open Circuit Voltage(Voc)	22.61V
Short Circuit Current(Isc)	7.05A
Cell Efficiency	17.25%
Module Efficiency	14.60%
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



IGNITE THE POWER OF NATURE

Monocrystalline Module --small size 120Watt

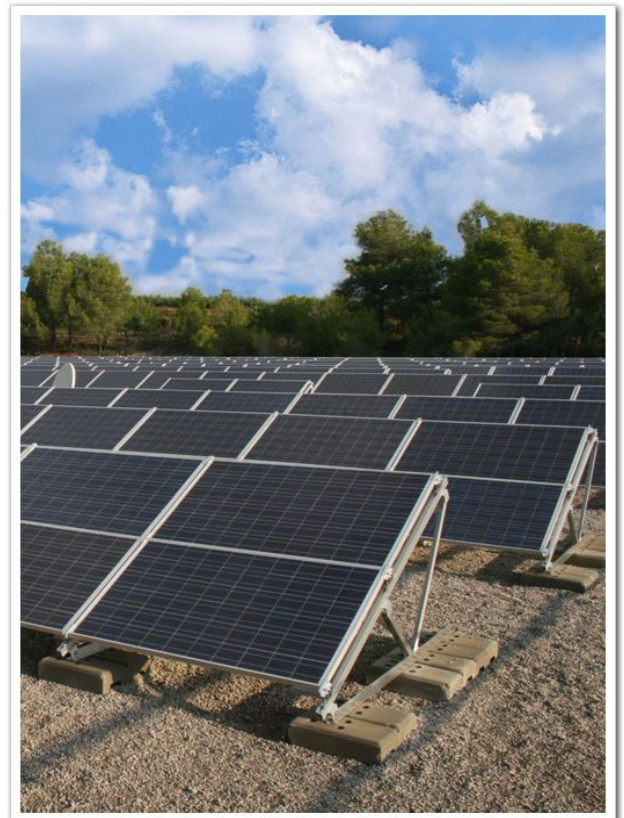
Components & Mechanical

Solar Cell	156*129 Mono
Number of Cell(pcs)	4*9
Size of Module(mm)	1230*668*35
Front Glass Thikness(mm)	3.2
Surface Maximum Load Capacity	2400-5400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	9.7
Bypass Diode Rating(A)	10
Frame(Material Corners,etc.)	35#
Temperature Range	-40°C to +85°C
FF (%)	70-76%
Standard Test Conditions	AM1.5 1000W/m ² 25°C

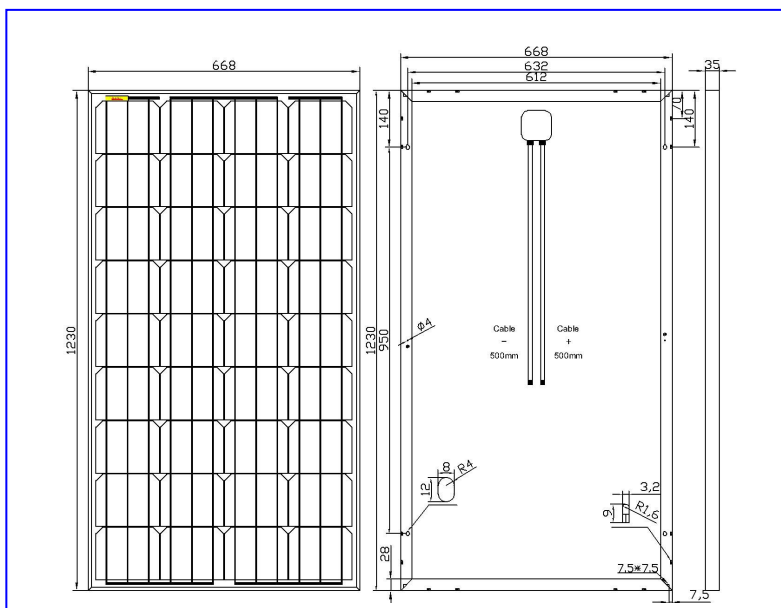
Packing

Packing	Wooden Box
Pieces per container	30pcs/Pallets

Project Picture



Engineering Drawings



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