



IGNITE THE POWER OF NATURE

## Monocrystalline PV Module

**RD270M2**

**60 Cells 18.16% Cells Efficiency**

**1000VDC Maximum system voltage**



### 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/ISO 14001 quality management system standards.

### KEY FEATURES

#### OUTPUT POSITIVE TOLERANCE:

Guaranteed 0~+5W positive tolerance ensures power output reliability.

#### PASSED HAIL TEST:

Certified to hail resistance: ice ball size (d=45mm) and ice ball velocity(v=23.m/s).

#### PID RESISTANCE:

Excellent PID resistance at (-40°C~+85°C) test, and also can be improved to meet higher standards for the particularly harsh environment.

#### EXCELLENT MECHANICAL LOAD CAPABILITY:

Certified to withstand: snow load (5400 Pa) and wind load (2400 Pa).

#### WARRANTIES :

12 year limited product warranty; 25 year limited power output warranty, Please refer to our Warranty Terms and Conditions.

### COMPREHENSIVE CERTIFICATES

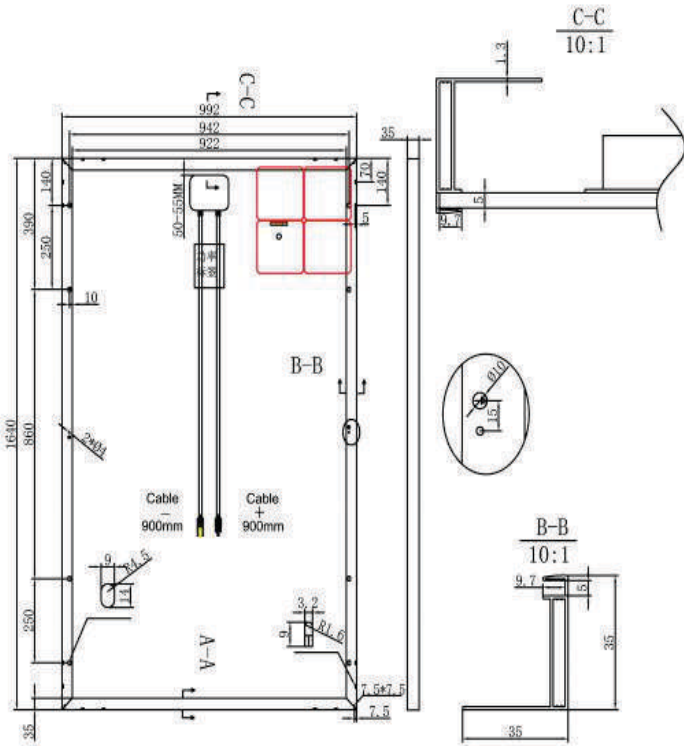




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## MODULE DIMENSION DETAILS



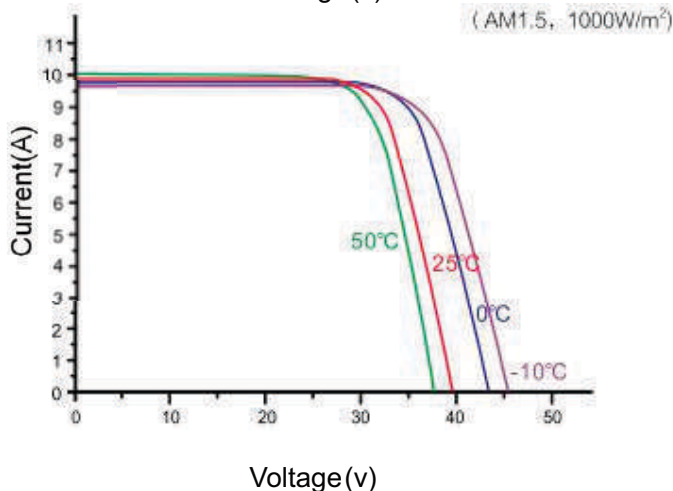
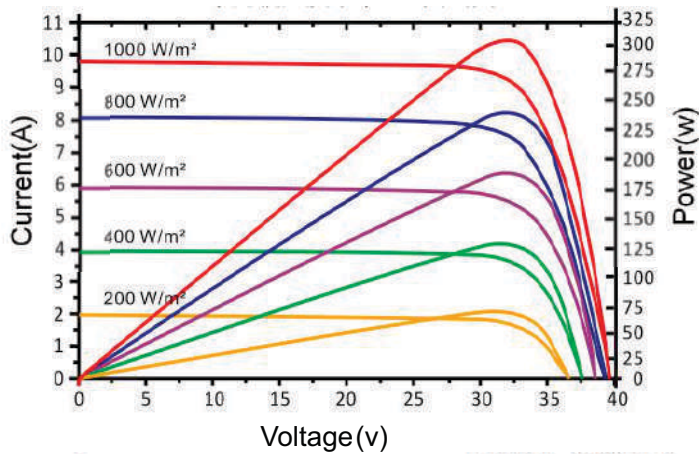
## ELECTRICAL SPECIFICATIONS

AT STC(AM1.5,Temp 25°C,E 1000W/m <sup>2</sup> )		
Module Type	<b>RD270M2</b>	
Power output	Pmax	270W
Module efficiency	m	15.98%
Voltage at Pmax	Vmp	31.35V
Current at Pmax	Imp	8.61A
Open circuit voltage	Voc	38.16V
Short circuit current	Isc	8.65A

## Mechanical Data

Module Demision (mm)	1640×992×35
Cells	156.75*156.75mm 60( 6×10)
Weight (kg)	17.4
Glass	High transmission glass 3.2mm
anti-reflective coating	Antireflecting glass
Junction box IP rating	IP67 1500VDC 3 bypass diode
Cable	TUV certificated 4mm <sup>2</sup>
Connector type	MC4 compatible
Fire performance	Class C

## I-V Curves



## Working Conditions & Temperature

Temperature coefficient (P mpp )	-0.39%/°C
Temperature coefficient (I sc )	+0.05%/°C
Temperature coefficient (V oc )	-0.29%/°C
NOCT	45°C±2°C
Maximum system voltage (IEC)	1000V DC
Maximum series fuse rating	15A

## Packing

packing unit	30pcs/box
1*40'HQ	28Pallets/840pcs