

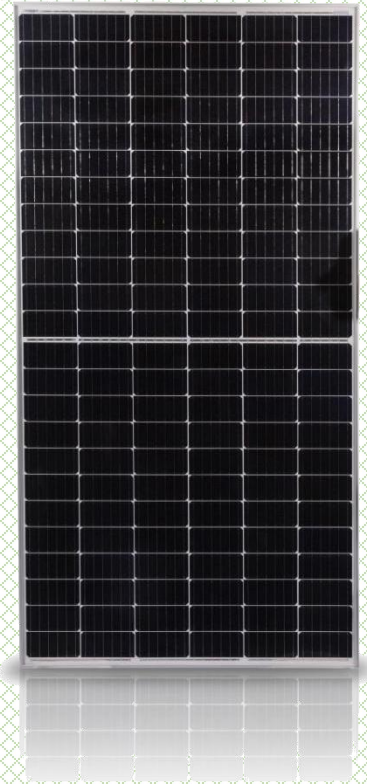


Mono-crystalline 166(6BB) Solar Module

RD450M6H(144 Half Cells)

450Wp Output Power

Max system voltage 1500V standard



Key Features

- Outstanding Performance in weak-light conditions
- Excellent temperature coefficient
- 0~+5W positive tolerance guarantee reliable power output
- Shortened current collection, path, low series resistance
- More uniform stress distribution, higher anti-crack ability
- Excellent anti-PID module design
- Certified to withstand high wind loads(2400pa) and snow loads(5400pa) of the latest standard test of module mechanical load
- Salt mist and ammonia corrosion resistant

Quality & Environment Certification System

ISO 9001:2015 Quality management systems



ISO 14001:2015 Environment management systems



OHSAS 18001:2007 Occupational health and safety management systems



IEC61215

IEC61730

UL1703

IEC61701

IEC62716

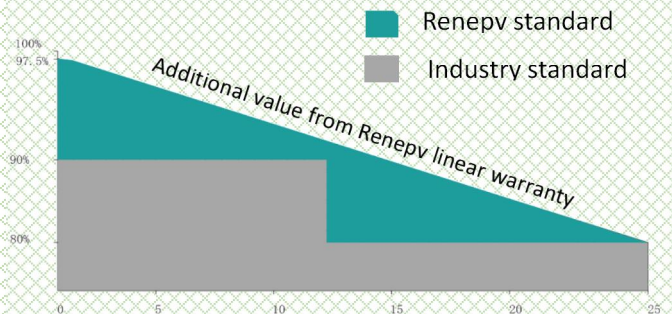
Linear Warranty For Module

12

12-year materials and workmanship Warranty

25

25-year linear performance Warranty



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Mono-crystalline 166(6BB) Solar Module

Electrical Data (STC)

Module Type	RD450M6H	
Power output	W	450
Module efficiency	%	20.30
Voltage at Pmax	V	40.65
Current at Pmax	A	11.07
Open circuit voltage $\pm 3\%$	V	49.57
Short circuit current $\pm 3\%$	A	11.49

STC: 1000W/m² irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3. Average relative efficiency reduction of 5% at 200W/m² according to EN 60904-1.

Electrical Data (NMOT)

Module Type	RD450M6H	
Power output	W	338.4
Voltage at Pmax	V	37.12
Current at Pmax	A	9.12
Open circuit voltage	V	45.34
Short circuit current	A	9.33

NOCT: open-circuit module operation temperature at 800W/m² irradiance, 20°C ambient temperature, 1m/s wind

Mechanical Data

Cell (quantity)	Mono166×83 144pcs(6*12*2)
Sealing material	EVA
Back sheet	White sheet
Front Cover (material / thickness)	low-iron tempered glass / 3.2mm
Frame material	anodized aluminum alloy
Junction box (protection degree)	≥ IP67 with bypass-diode
Cable (length / cross sectional area)	2 × 300MM-Section4.0mm ² /TUV
Plug connector(type/protection degree)	MC4 / IP67
Fire Safety Classification (IEC 61730)	Class C

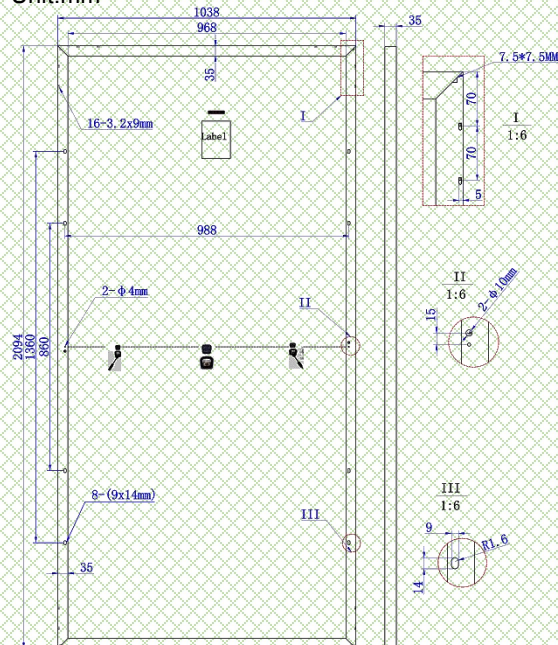
Working Conditions & Temperature

Nominal operating cell temperature	NMOT	44°C \pm 2°C
Temperature coefficient of P _{max}	δ [%/°C]	-0.385
Temperature coefficient of V _{OC}	β [%/°C]	-0.304
Temperature coefficient of I _{SC}	α [%/°C]	0.046
Maximum system voltage (IEC)	VDC	1500
Maximum series fuse rating	A	20
Operating & Storage temperature	°C	-40~+85

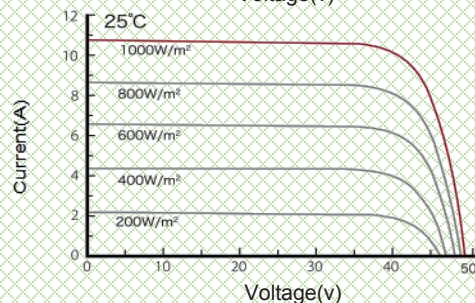
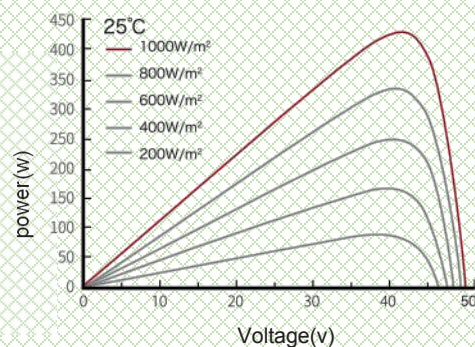
Dimensions of PV Module(mm)

Module Dimension	2094×1038×35 mm
Weight	23.6kg

Unit:mm



IV-Curves



Packing

packing unit	30pcs/box
1*40'HQ	22Pallets/660pcs