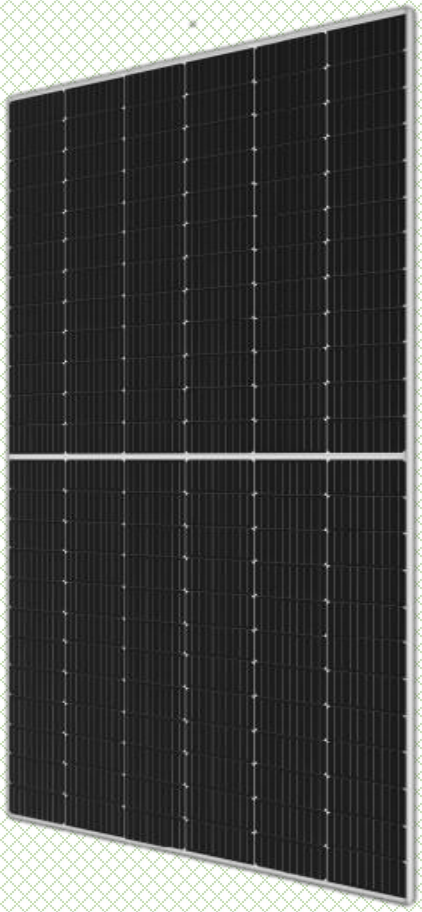
Mono-crystalline 166(9BB) Solar Module

RD450M6H (144 Half-Cut 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

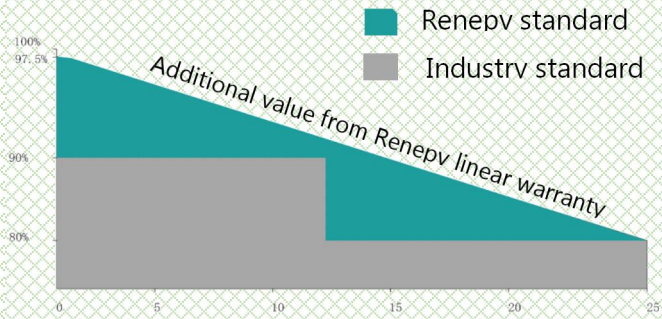
OHSAS 18001:2007 Occupational health and safety management systems

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(9BB) Solar Module

Electrical Data (STC)

Module Type	RD450M6H	
Power output	W	450
Module efficiency	%	20.7
Voltage at Pmax	V	42.17
Current at Pmax	A	10.67
Open circuit voltage ±3%	V	49.93
Short circuit current ±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

NOMT:open-circuit module operation temperature at 800W/m² irradiance,20°Cambient temperature,1m/s wind.

Mechanical Data

Cell (quantity)	Mono166×83 144pcs(6x12x2)
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)	≥ IP68 with bypass-diode
Cable (length / cross sectional area)	2×350MM-Section4.0mm²/TUV
Plug connector(type/protection degree)	MC4 / IP67
Fire Safety Classification (IEC 61730)	Class C

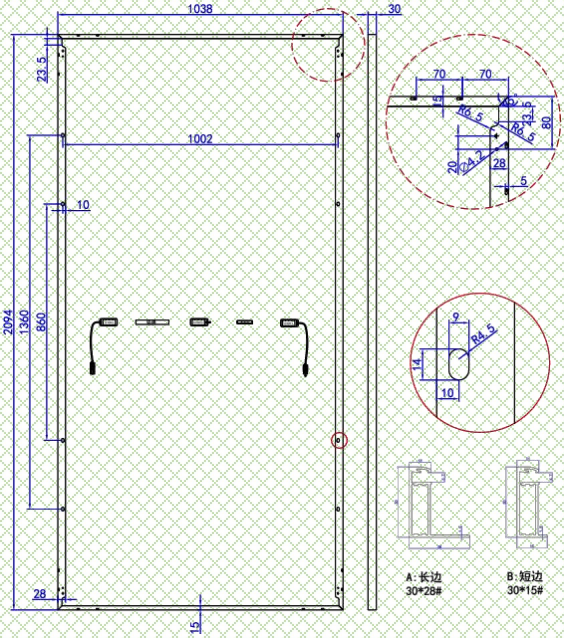
Working Conditions & Temperature

Nominal operating cell temperature	NMOT	44℃±2℃
Temperature coefficient of P_{max}	δ[%/℃]	-0.370
Temperature coefficient of V_{oc}	β[%/℃]	-0.304
Temperature coefficient of I_{sc}	α[%/℃]	0.046
Maximum system voltage (IEC)	VDC	1500
Maximum series fuse rating	A	20
Operating &Storage temperature	℃	-40~+85

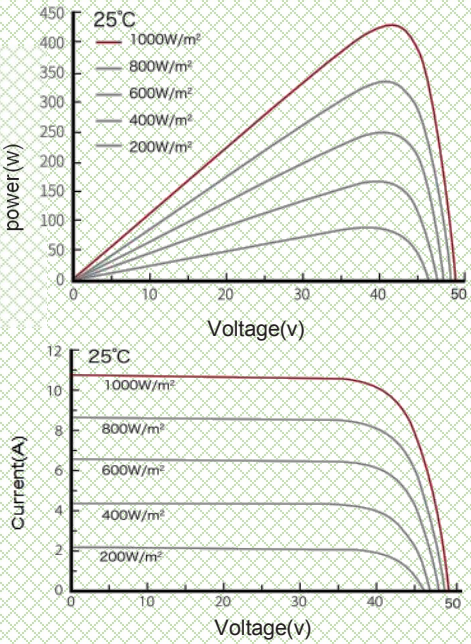
Dimensions of PV Module(mm)

Module Dimension	2094×1038×30mm
Weight	23.0kg

Unit:mm



IV-Curves



Packing

packing unit	36pcs/box
1*40'HQ	22Pallets/792pcs