

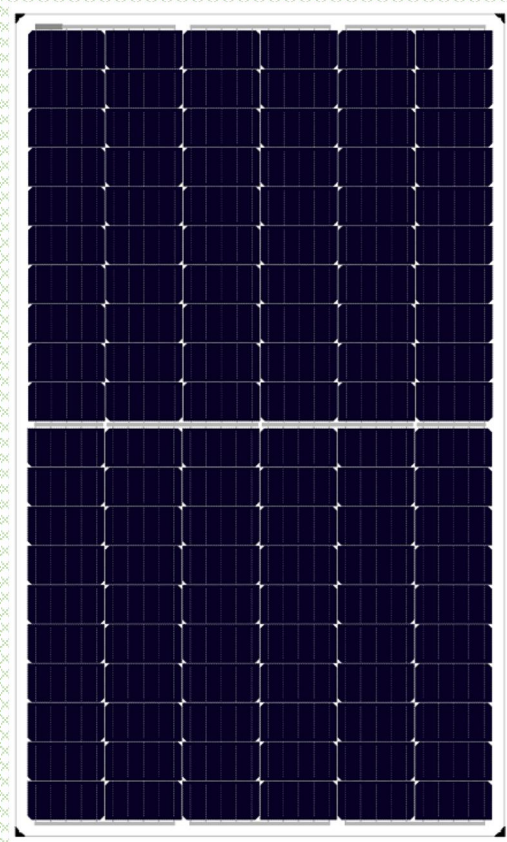


# Mono-crystalline M2(5BB) Solar Module

## RD320M2H-DG

### 320Wp Double Glass Half-piece Module

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

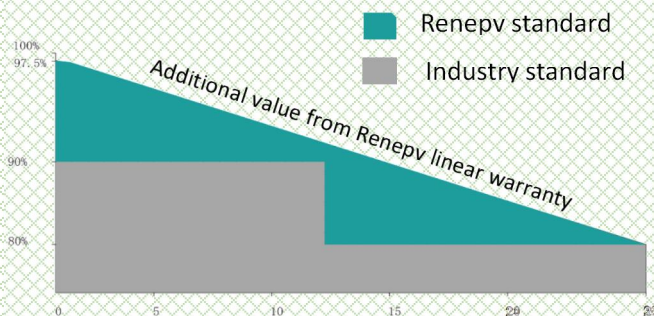
IEC61701

IEC62716

#### Linear Warranty For Module

12 12-year materials and workmanship Warranty

25 25-year linear performance Warranty



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Edition 2020



# Mono-crystalline M2(5BB) Solar Module

## Electrical Data (STC)

Module Type	RD320M2H-DG	
Power output	W	320
Module efficiency	%	19.1
Voltage at Pmax	V	33.3
Current at Pmax	A	9.61
Open circuit voltage	V	40.1
Short circuit current	A	10.04

STC: 1000W/m<sup>2</sup> irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3. Average relative efficiency reduction of 5% at 200W/m<sup>2</sup> according to EN 60904-1.

## Electrical Data (NOMT)

Module Type	RD320M2H-DG	
Power output	W	239.6
Voltage at Pmax	V	31.1
Current at Pmax	A	7.72
Open circuit voltage	V	37.5
Short circuit current	A	8.11

NOCT: open-circuit module operation temperature at 800W/m<sup>2</sup> irradiance, 20°C ambient temperature, 1m/s wind.

## Mechanical Data

Cell (quantity)	mono156.75×78 120pcs(6×10×2)
Sealing material	EVA
Front Cover (material / thickness)	low-iron tempered glass / 2.5mm
Back Cover (material / thickness)	low-iron tempered glass / 2.0mm
Junction box (protection degree)	≥ IP67 with bypass-diode
Cable (length / cross sectional area)	2*900MM-Section4.0mm <sup>2</sup> /TUV
Plug connector(type/protection degree)	MC4 / IP68
Fire Safety Classification (IEC 61730)	Class C
Mechanical load front(e.g.snow and wind)	5400Pa

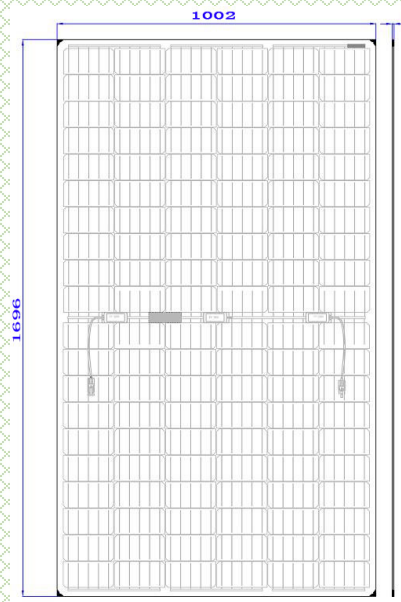
## Working Conditions & Temperature

Nominal operating cell temperature	NOCT	44°C±2°C
Temperature coefficient of P <sub>max</sub>	δ[%/°C]	-0.370
Temperature coefficient of V <sub>OC</sub>	β[%/°C]	-0.304
Temperature coefficient of I <sub>SC</sub>	α[%/°C]	0.046
Maximum system voltage (IEC)	VDC	1500
Maximum series fuse rating	A	20
Operating & Storage temperature	°C	-40~+85

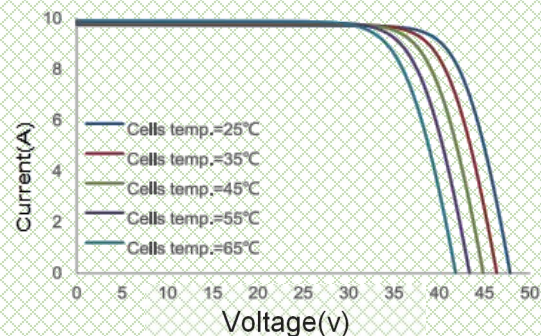
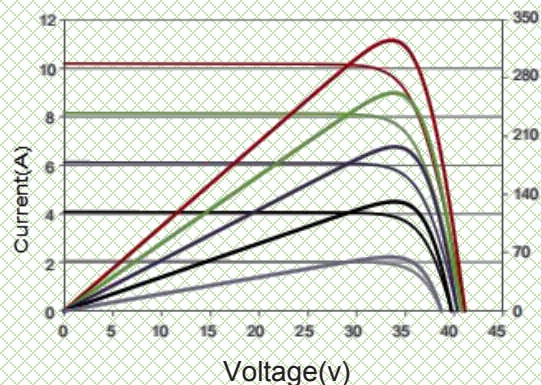
## Dimensions of PV Module(mm)

Module Dimension	1696×1002×6mm
Weight	24.0kg

Unit:MM



## IV-Curves



## Packing

packing unit	33pcs/box
1*40'HQ	24Pallets/792pcs