

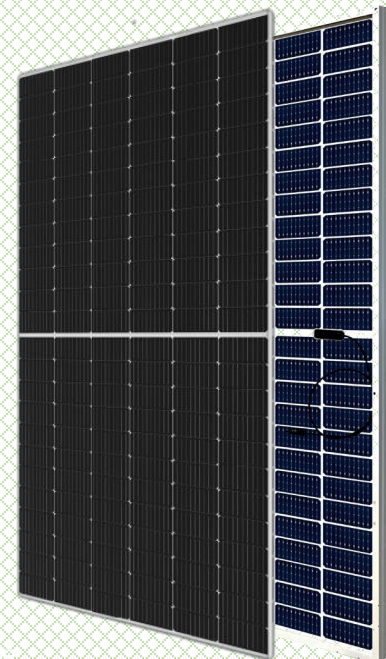


Mono-crystalline M10(9BB) Solar Module

RD540M10HB

PERC Half-Cell Double Glass 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

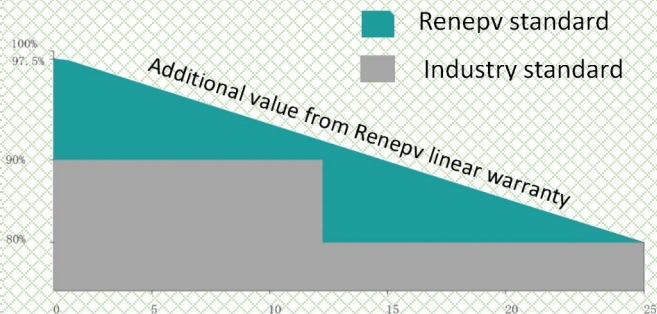
IEC61701

IEC62716

Linear Warranty For Module

12 12-year materials and workmanship Warranty

25 25-year linear performance Warranty



NINGBO RENELED NEW ENERGY CO.,LTD

Add:NO.35 jintong road,binhai industrial park,xiangshan,ningbo city,china

Tell: +86-574-65786319

Fax: +86-574-65786317

Email: info@renewpv.com

Website: www.renewpv.com



Edition 2020



Mono-crystalline M10(9BB) Solar Module

Electrical Data (STC)

Module Type	RD540M10HB	
Power output	W	540
Module efficiency	%	21.1
Voltage at Pmax	V	41.3
Current at Pmax	A	13.08
Open circuit voltage $\pm 3\%$	V	49.6
Short circuit current $\pm 3\%$	A	13.74

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 characteristics of different power (solar irradiance ratio with gain of 10%)

Module Type	RD540M10HB	
Power output	W	578
Voltage at Pmax	V	42.24
Current at Pmax	A	13.69
Open circuit voltage	V	49.93
Short circuit current	A	14.50

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

Mechanical Data

Cell (quantity)	Mono182 72PCS
Sealing material	EVA/POE
Back Cover (material / thickness)	Toughened glass /2.0mm
Front Cover (material / thickness)	Toughened glass /2.0mm
Junction box (protection degree)	\geq IP68 with bypass-diode
Cable (length / cross sectional area)	2x900mm-4.0mm ²
Plug connector (type/protection degree)	MC4 / IP68
Fire Safety Classification (IEC 61730)	Class C

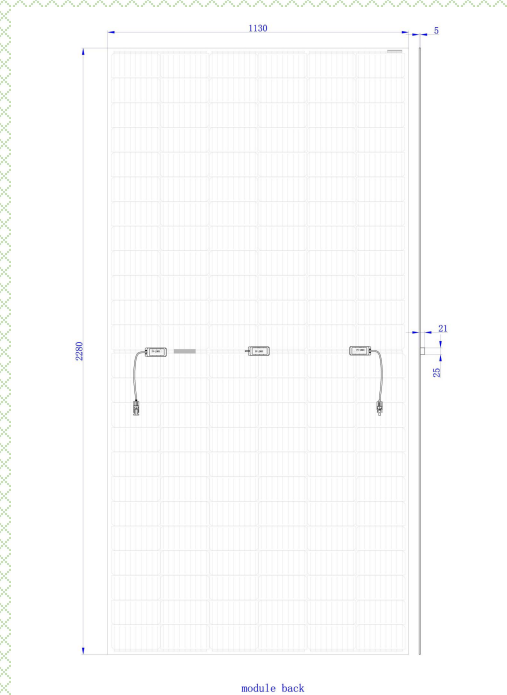
Working Conditions & Temperature

Nominal operating cell temperature	NOCT	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	25
Operating & Storage temperature	°C	-40~+85

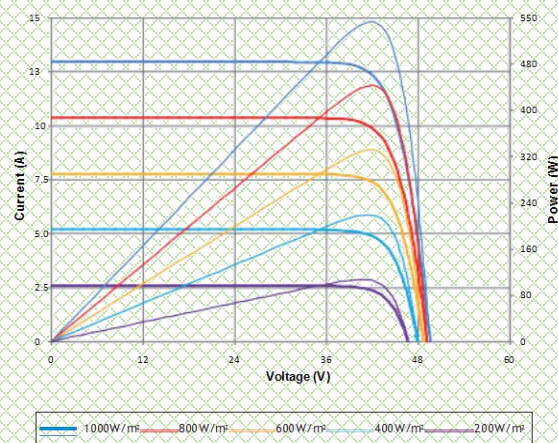
Dimensions of PV Module(mm)

Module Dimension	2280×1130×5mm
Weight	32.3kg

Unit:mm



IV-Curves



Packing

Packing Pieces per container		
packing unit	20'GP	40'GP
Pieces per pallet	/	27
Pallet per container	/	20
Pieces per container	240	540