

Make life full of hope

# Mono Half-cut single/Double Glass Module

## INTRODUCTION

MONO half-cut single glass module, assembled with multi-busbar PERC technique and half-cut structure,offer the advantages of higher power output, reduce shading effect on the energy generation, enhance the mechanical

## LCOE save 6-8%

6% Saving logistics cost



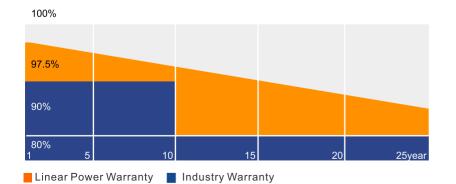




## First-class Quality Assurance

8% Saving bracket cost

- 10-year warranty for material and technology
- 25-year linear power output warranty



## **Comprehensive Certificates**

- IEC61215, IEC61730
- ISO9001:2015 Quality management systems
- ISO45001:Environmental management systems
- ISO45001:2018Occupational health and safety management systems







### Make life full of hope

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Grounding holes 6 places

Mounting

holes 8 places

Draining holes 8 <u>places</u>

1098

## MSD144M/540WSeries

Mono

144(6X24)

RHC2

300mm

2.0mm

3 1pcs/Pallet, 620 pcs/40HQ

IP68/FT50XY,3\*bypass diode

## **Mechanical Diagrams** 1134±2

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Section Size

Junction Box

Cable Length

Front Glass

Packaging

(Including Connector)

Connector

10

short frame

UNIT: mm

<u>β5±</u>1

Solar Cells

PS:Frame	color	and	cable	length	can	be	customia	zec

## **Electrical Parameters at STC**

Туре	MSD144M/540
Rated Maximum Power (Pmax)[W]	540
Open Circuit Voltage (Voc)[V]	49.55
Maximum Power Voltage (Vmp)[V]	41.62
Short Circuit Current (Isc)[A]	13.89
Maximum Power Current (Imp)[A]	12.89
Module Efficiency[%]	20.8
Power Tolerance	0~+5W
Temperature Coefficent of $Isc(\alpha\_Isc)$	+0.046%/°C
Temperature Coefficent of Voc ( $\beta$ _Voc)	-0.276%/°C
Temperature Coefficent of Pmax(y_Pmp)	-0.350%/°C
STC	Irradiance 1000W/m <sup>2</sup> , Cell temperature 25°C, AM1.5

L300

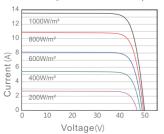
Remark: Electrical data in this catalogue does not refer to a single module, and it's not part of the offer. It only serves for the comparison among different module types.

Electrical Parameters at NOCT (Suppos	Operating Conditions	
Туре	MSD144M/540	Maximum System Voltage 1000V DC
Rated Maximum Power (Pmax)[W]	578	Operating Temperature -40°C~+85°C
Open Circuit Voltage (Voc)[V]	49.93	Maximum Series Fuse 25A
Maximum Power Voltage (Vmp)[V]	42.24	Maximum Static Load, Front 5400Pa(112 lb/ft <sup>2</sup> ) Maximum Static Load, Back 2400Pa (50 lb/ft <sup>2</sup> )
Short Circuit Current (Isc)[A]	14.50	NOCT 45±2°С
Maximum Power Current (Imp)[A]	13.69	Backside Ratio 70%±10%
		Fireproof Performance UL Type 29

rate of the back of solar panel =peak power of STC /nominal power

#### **Characteristics**

## Current Voltage Curve MSD144M/540





Current Voltage Curve MSD144M/540

