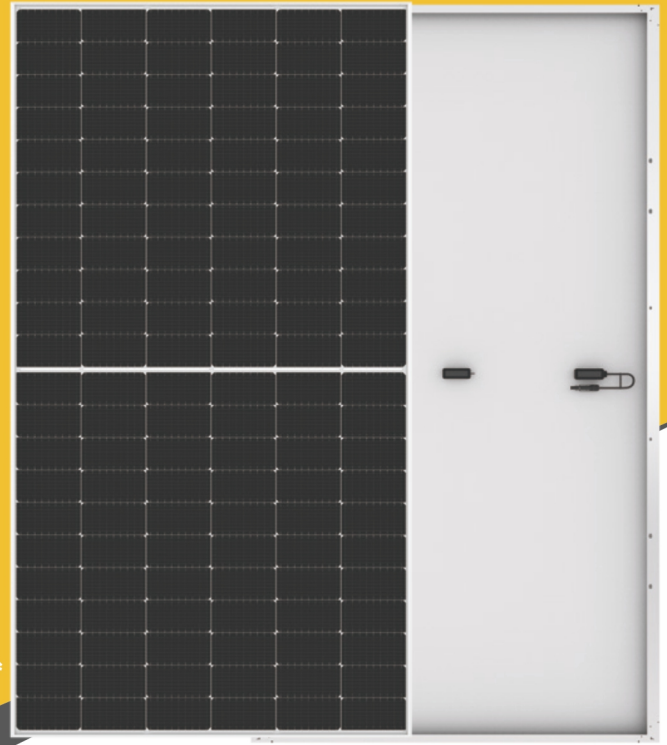


## JM525~545H72

### High Efficiency Low LID Mono PERC with Half-cut Technology

12-year Warranty for Materials and Processing;  
25-year Warranty for Extra Linear Power Output

+4.10%



#### High efficiency & low attenuation

First year degradation < 2%, Using standard wafer Part of assembly line and Half-cut cell technology



#### Good power generation performance under shadow conditions

Unique parallel connection design, more energy yield in case of shading



#### Strong resistance to hot spots

The power of half-cell solar panel increases, and the hot spot temperature reduces because of lower working current



#### Adapt to high temperature and high radiation environment

Higher energy Yield Under High irradiation Condition

#### Complete System and Product Certifications

IEC 61215, IEC 61730, ISO

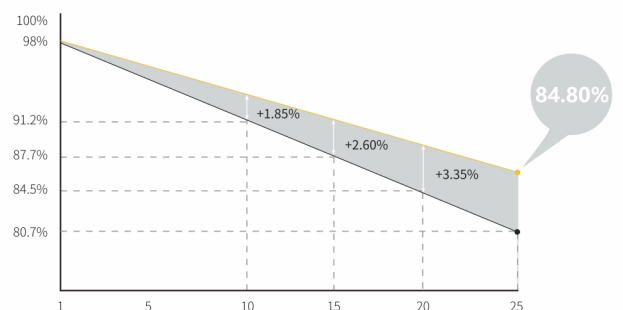
ISO 9001:2008: ISO Quality Management System

ISO 14001: 2004: ISO Environment Management System

OHSAS 18001: 2007 Occupational Health and Safety



\* Specifications subject to technical changes and tests.  
JM Solar reserves the right of interpretation.



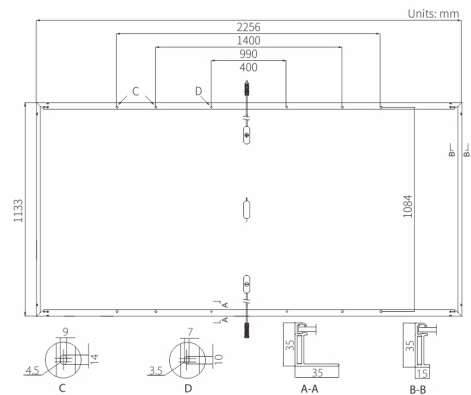
Electrical Data	JM525H72	JM530H72	JM535H72	JM540H72	JM545H72
Maximum Power P <sub>MAX</sub> (WP)	525	530	535	540	545
Power Tolerance P <sub>MAX</sub> (%)	0~3	0~3	0~3	0~3	0~3
Maximum Power Voltage V <sub>MPP</sub> (V)	41.20	41.35	41.50	41.65	41.80
Maximum Power Current I <sub>MPP</sub> (A)	12.75	12.82	12.90	12.97	13.04
Open Circuit Voltage V <sub>OC</sub> (V)	49.05	49.20	49.35	49.50	49.65
Short Circuit Current I <sub>SC</sub> (A)	13.65	13.71	13.78	13.85	13.92
Module efficiency $\eta$ m(%)	20.50	20.70	20.90	21.10	21.30

STC (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 °C, Spectra at AM1.5

## Mechanical Data

Solar Cells	Mono-crystalline
Cell Orientation	144 cells (6 × 24)
Dimensions	2279 × 1134 × 35mm
Weight	27.2 Kg
Glass	Super white anti-reflection tempered glass
Frame	Anodized aluminium alloy
J-Box	IP 68, MC4 compatible
Cables	4.0mm <sup>2</sup> :N 400mm/P 300mm.(Cable length can be customized)
Connector	Original MC4 Plus

## Product Drawings



## Shipping Method

### 20GP

### 40HQ

Qty/Box	31	31
Number of Boxes	5	20
Total	155	620

## Temperature Ratings

## Mechanical Properties

Temperature Coefficient of P <sub>MAX</sub>	-0.350%/°C	Frontal mechanical load (anti-snow, wind)	5400pa
Temperature Coefficient of V <sub>OC</sub>	-0.270%/°C	Back mechanical load (wind resistance)	2400pa
Temperature Coefficient of I <sub>SC</sub>	+0.048%/°C	Hailstone Test	25mm Hailstone at the speed of 23m/s

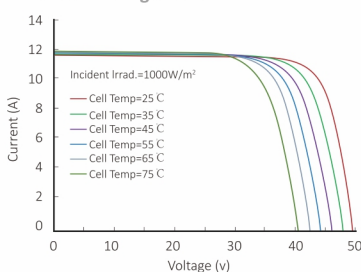
## Maximum Ratings

## Quality Parameters

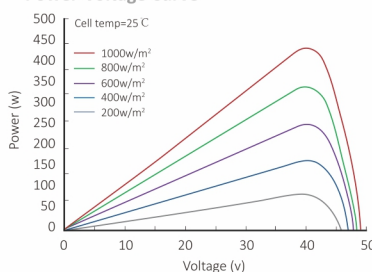
Maximum system voltage	1500V DC	12 year product workmanship warranty
Max Series Fuse Ratings	20A	25 year linear power warranty (Refer to the Product Warranty for details)

## I-V Curve

Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve

