

## JNMP60-275~295

High efficiency poly solar module

### Front-Runner PV module

#### JNMP60

More than 60% of modules produced have an efficiency over 17.2%.

Excellent performance against salt mist and ammonia corrosion.

Adaptable to various scenarios.

Demonstrated extremely low degradation.

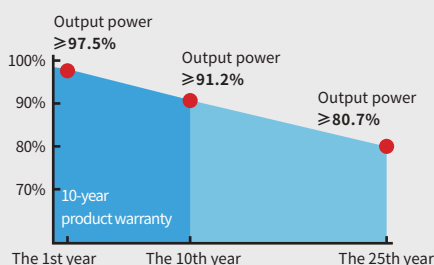
Compatible with 1000V and 1500V system voltage.

#### CERTIFICATION



TUV: IEC/EN 61215, IEC/EN 61730  
 BIS: IS 14286/IEC 61215, IS/IEC 617300  
 GB/T 19001-2016/ISO 9001:2015  
 GB/T 24001-2016/ISO 14001:2015  
 OHSAS 18001:2007  
 CNAS-CL01: ISO/IEC 17025:2017

#### QUALITY ASSURANCE



#### Advanced production process

5BB/ MBB optional  
 Cell efficiency >19.3%



#### Superior quality control

Full automatic production line  
 MES and ERP digitizing logistics management  
 100% three times EL and appearance inspection



#### Excellent power generation performance

0~+5W positive power tolerance  
 Improved low light irradiance performance and low degradation



#### Stable mechanical performance

Passed rigorous hail test  
 Withstands 5400Pa snow and 2400Pa wind loads



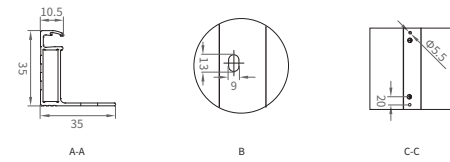
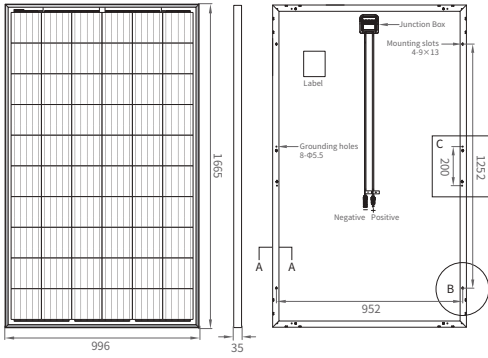
#### Long weather resistance

Excellent anti-PID performance  
 Certified in fireproofing for safety



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**MECHANICAL PARAMETERS**

Cell (mm)	158.75*158.75 Poly
Dimensions (L*W*H) (mm)	1665*996*35
Weight (kg)	18.3
Cable Cross Section Size (mm <sup>2</sup> )	4
Cable Length (mm)	800 / 1000
No. of Cells & Connections	60(6*10)
No. of Diodes	3

**QUALIFICATION**

Max. System Voltage (V DC)	1000 / 1500
Temperature Cycling Range (°C)	-40~+85
Max. Series Fuse Rating (A)	20
Max. Wind Load / Max. Snow Load (Pa)	2400 / 5400
Hot Spot Rate	100% Free
Connector Type	MC4 Compatible
Fire Rating	Class C
Junction Box & Connector Protection Grade	IP68

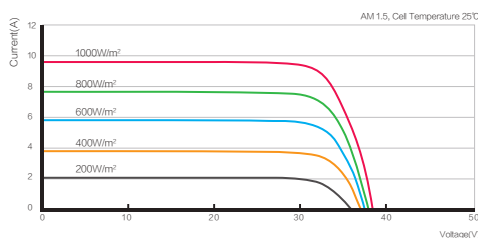
**TEMPERATURE COEFFICIENTS**

Nominal Module Operating Temperature (NMOT)	45±2°C
Temperature Coefficient Voltage (Voc)	-0.31 %/°C
Temperature Coefficient Current (Isc)	0.05 %/°C
Temperature Coefficient Power (Pm)	-0.41 %/°C

**ELECTRICAL PARAMETERS**

	JNMP60-275	JNMP60-280	JNMP60-285	JNMP60-290	JNMP60-295	
<b>STC</b> AM1.5 1000W/m <sup>2</sup> Cell Temperature 25°C	Max. Power at STC (Pmpp/W)	275	280	285	290	295
	Output Tolerance (W)	0-+5	0-+5	0-+5	0-+5	0-+5
	Max. Power Voltage (Vmp/V)	31.07	31.39	31.63	31.87	32.10
	Max. Power Current (Imp/A)	8.85	8.92	9.01	9.10	9.19
	Open Circuit Voltage (Voc/V)	38.30	38.58	38.86	39.13	39.40
	Short Circuit Current (Isc/A)	9.35	9.45	9.55	9.65	9.75
	Module Efficiency (%)	16.6	16.9	17.2	17.5	17.8
<b>NMOT</b> AM1.5 800W/m <sup>2</sup> Ambient Temperature 20°C Wind Speed 1m/s	Max. Power at NMOT (Pmpp/W)	204.7	208.4	212.1	215.8	219.6
	Max. Power Voltage (Vmp/V)	28.91	29.20	29.43	29.65	29.86
	Max. Power Current (Imp/A)	7.08	7.14	7.21	7.28	7.35
	Open Circuit Voltage (Voc/V)	35.92	36.18	36.44	36.70	36.95
	Short Circuit Current (Isc/A)	7.54	7.62	7.70	7.79	7.87

**I-V CURVE(285W)**



**PACKING CONFIGURATION**

**Container (High cube)**

Pieces Per Pallet	31
Pallets Per Stack	2
Extra Pieces Per Stack	4
Stacks Per Container	14
Pieces Per Container	924

CAUTION: The contents of this specification are measured under standard test conditions and are for reference only and are subject to change without notice. Read safety and installation instructions before using the product.  
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