

JNGP72-310~330

Dual-glass poly solar module

Low-permeability POE encapsulating material, enhanced module reliability

JNGP72

Applicable to harsh environments including desert, and seaside, etc.

Frame-less design to solve PID problem completely and also enhance self-cleaning capability

1500V system voltage to reduce construction cost per watt

Excellent mechanical loading and shock resistance performance

Options: transparent POE or white EVA



Advanced production process

5 bus-bar design, double printing cell technology
Average cell efficiency >19.1%



Superior quality control

Full automatic production line
ISO 9001:2008 Quality Management System
100% three times EL and appearance inspection



Excellent power generation performance

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



Stable mechanical performance

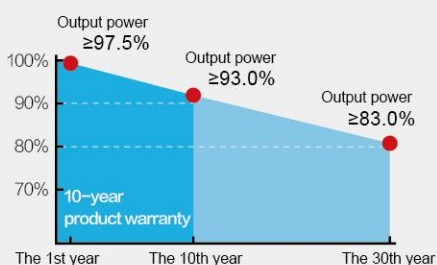
Passed rigorous hail test
Withstands 5400 Pa snow and 2400 Pa wind loads



Long weather resistance

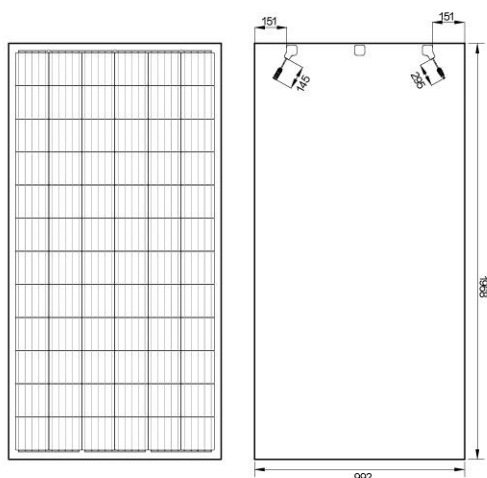
Excellent anti-PID (Potential Induced Degradation) performance
Certified in fireproofing for safety

QUALITY ASSURANCE



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MECHANICAL PARAMETERS

Cell (mm)	156*156 Poly
Dimensions (L*W*H) (mm)	1968*992*6
Weight (kg)	26.7
Front/Back Glass Thickness (mm)	2.5
Cable Cross Section Size (mm ²)	4
Cable Length (mm)	Positive 295 / Negative 145
No. of Cells and Connections	72 (6*12)
No. of Diodes	3

QUALIFICATION

Max.System Voltage (V DC)	1500
Temperature Cycling Range (°C)	-40~+85
Max.Series Fuse Rating (A)	15
Max Reverse Current (A)	15
Max.Wind Load / Max.Snow Load (Pa)	2400 / 5400
Hot Spot Rate	100% Free

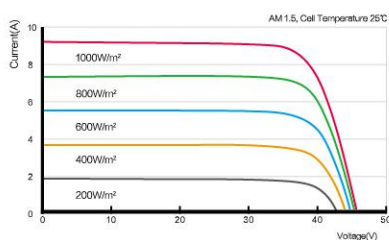
TEMPERATURE COEFFICIENTS

Normal Operating Cell Temp (NOCT)	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

	JNGP72-310	JNGP72-315	JNGP72-320	JNGP72-325	JNGP72-330	
STC AM1.5, 1000W/m ² Cell Temperature 25°C	Max. Power at STC (Pmpp/W)	310	315	320	325	330
	Output Tolerance (W)	0~+5	0~+5	0~+5	0~+5	0~+5
	Max. Power Voltage (Vmp/V)	36.69	36.98	37.21	37.45	37.68
	Max. Power Current (Imp/A)	8.45	8.52	8.60	8.68	8.76
	Open Circuit Voltage (Voc/V)	45.34	45.57	45.78	45.98	46.17
	Short Circuit Current (Isc/A)	9.12	9.17	9.22	9.27	9.32
	Module Efficiency (%)	15.9	16.1	16.4	16.6	16.9
NOCT AM1.5, 800W/m ² , Ambient Temperature 20°C, Wind Speed 1m/s	Max. Power at NOCT (Pmpp/W)	230.7	234.4	238.2	241.9	245.6
	Max. Power Voltage (Vmp/V)	34.13	34.39	34.62	34.83	35.05
	Max. Power Current (Imp/A)	6.76	6.82	6.88	6.94	7.01
	Open Circuit voltage (Voc/V)	42.52	42.74	42.93	43.12	43.30
	Short Circuit Current (Isc/A)	7.36	7.40	7.44	7.48	7.52

I-V CURVE(320W)



PACKING CONFIGURATION

Container (High cube)		Platform Semi-Trailer	
Pieces Per Pallet	30	Pieces Per Pallet	30
Pallets Per Stack	2	Pallets Per Stack	2
Stacks Per Container	11	Stacks Per Platform	16
Pieces Per Container	660	Pieces Per Platform	960

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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