

JN GM60-280~300

High-efficiency dual-glass mono solar module

Adopting PERC+ cell technology

JN GM60

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 >21.2%



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

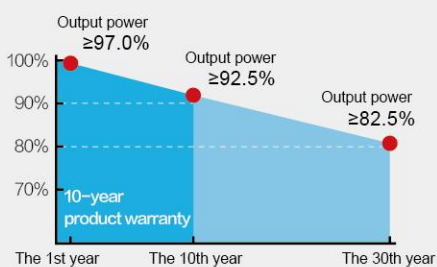
Passed rigorous hail test
Withstands 5400 Pa snow and 2400 Pa wind loads



Long weather resistance

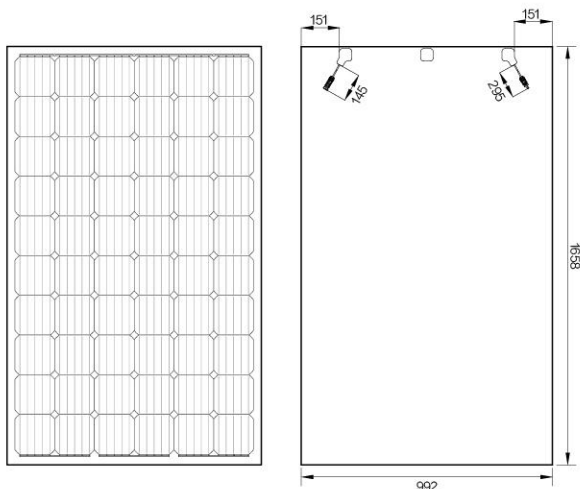
Excellent anti-PID (Potential Induced Degradation) performance
Certified in fireproofing for safety

QUALITY ASSURANCE



JINNENG CLEAN ENERGY TECHNOLOGY LTD

No.1 Wenshui Economic Development Zone, Lvliang, Shanxi 032100, China
Tel: +86(358)3300916 E-mail: sales@jinery.com
www.jinery.com



MECHANICAL PARAMETERS

Cell (mm)	156*156 Mono
Dimensions (L*W*H) (mm)	1658*992*6
Weight (kg)	22.4
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	60(6*10)
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

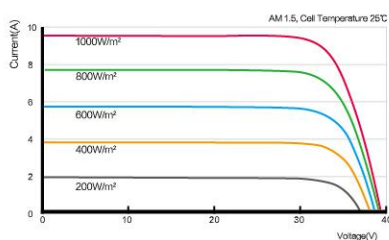
TEMPERATURE COEFFICIENTS

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

	JNGM60-280	JNGM60-285	JNGM60-290	JNGM60-295	JNGM60-300	
STC AM1.5, 1000W/m ² Cell Temperature 25°C	Max. Power at STC (Pmpp/W)	280	285	290	295	300
	Output Tolerance (W)	0~+5	0~+5	0~+5	0~+5	0~+5
	Max. Power Voltage (Vmp/V)	31.72	31.99	32.26	32.53	32.79
	Max. Power Current (Imp/A)	8.83	8.91	8.99	9.07	9.15
	Open Circuit Voltage (Voc/V)	39.15	39.32	39.49	39.65	39.82
	Short Circuit Current (Isc/A)	9.47	9.54	9.61	9.67	9.74
	Module Efficiency (%)	17.0	17.3	17.6	17.9	18.2
NOCT AM1.5, 800W/m ² , Ambient Temperature 20°C, Wind Speed 1m/s	Max. Power at NOCT (Pmpp/W)	208.4	212.1	215.8	219.6	223.3
	Max. Power Voltage (Vmp/V)	29.50	29.76	30.01	30.26	30.50
	Max. Power Current (Imp/A)	7.06	7.13	7.19	7.26	7.32
	Open Circuit voltage (Voc/V)	36.72	36.88	37.03	37.18	37.34
	Short Circuit Current (Isc/A)	7.64	7.70	7.75	7.80	7.86

I-V CURVE(290W)



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	13	Stacks Per Platform	20
Pieces Per Container	780	Pieces Per Platform	1200

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

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