

JNMM60-310~330

High efficiency mono solar module

Adopting PERC technology

JNMM60

All cell production line equipped with SE laser instrument.

Advanced process to reduce extra degradation of PERC cell.

Higher efficiency to reduce system cost per watt.

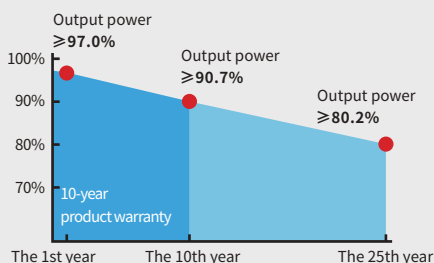
Compatible with 1000V and 1500V system voltage.

CERTIFICATION



TUV: IEC/EN 61215, IEC/EN 61730
 KS: KS C 8561
 BIS: IS 14286/IEC 61215, IS/IEC 61730
 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 >22.3%



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



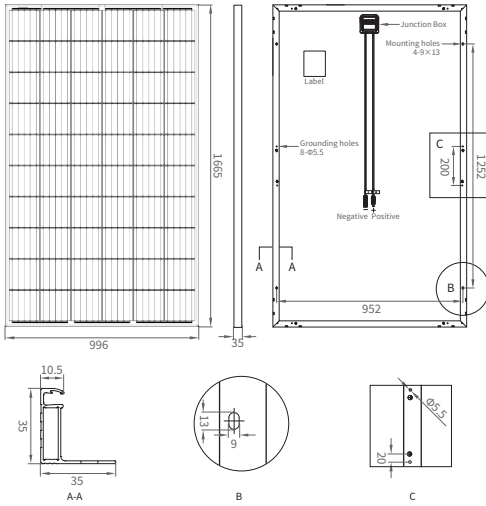
Long weather resistance

Excellent anti-PID performance
 Certified in fireproofing for safety



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MECHANICAL PARAMETERS

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

QUALIFICATION

Max. System Voltage (V DC)	1000
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

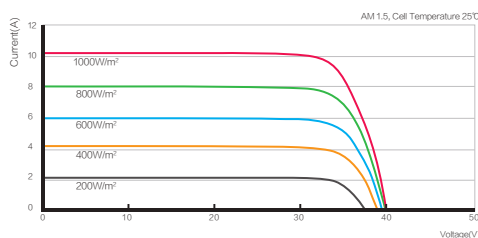
TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temp (NMOT)	45 ± 2°C
Temperature Coefficient Voltage (Voc)	-0.29 %/°C
Temperature Coefficient Current (Isc)	0.04 %/°C
Temperature Coefficient Power (Pm)	-0.40 %/°C

ELECTRICAL PARAMETERS

	JNMM60-310	JNMM60-315	JNMM60-320	JNMM60-325	JNMM60-330	
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)	32.39	32.68	32.96	33.20	33.43
	Max. Power Current (Imp/A)	9.57	9.64	9.71	9.79	9.87
	Open Circuit Voltage (Voc/V)	39.57	40.01	40.44	40.87	41.22
	Short Circuit Current (Isc/A)	10.07	10.12	10.17	10.22	10.29
	Module Efficiency (%)	18.7	19.0	19.3	19.6	19.9
NMOT AM1.5 800W/m ² Ambient Temperature 20°C Wind Speed 1m/s	Max. Power at NMOT (Pmpp/W)	230.7	234.4	238.2	241.9	245.6
	Max. Power Voltage (Vmp/V)	30.14	30.40	30.66	30.88	31.10
	Max. Power Current (Imp/A)	7.66	7.71	7.77	7.83	7.90
	Open Circuit Voltage (Voc/V)	37.11	37.52	37.93	38.33	38.66
Short Circuit Current (Isc/A)	8.12	8.16	8.21	8.25	8.30	

I-V CURVE(320W)



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