



JNHM120-370~390

Super high efficiency HJT mono solar module

JNHM120

Bifaciality>85%, effectively improves backside power generation. Providing 10%-35% extra power from backside in different scenarios.

Excellent temperature coefficient and low light performance, extremely low degradation.

MBB and half-cell design to reduce shadow effects, improve module reliability and reduces loss.

44% extra power generation than regular modules.

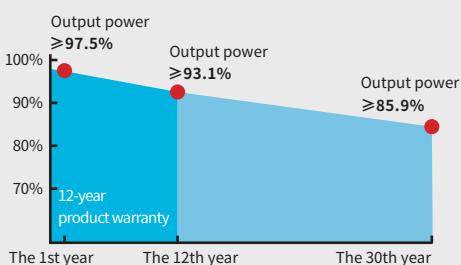
Compatible with 1500V system voltage to reduce construction cost per watt.

CERTIFICATION



TUV: IEC/EN 61215, IEC/EN 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



Leading Cell Technology

Optimized MBB design
 Cell efficiency >24.0%



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 during morning, night and cloudy days
 Save over 34% power loss under high temperature owing to low temperature coefficient



Stable mechanical performance

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



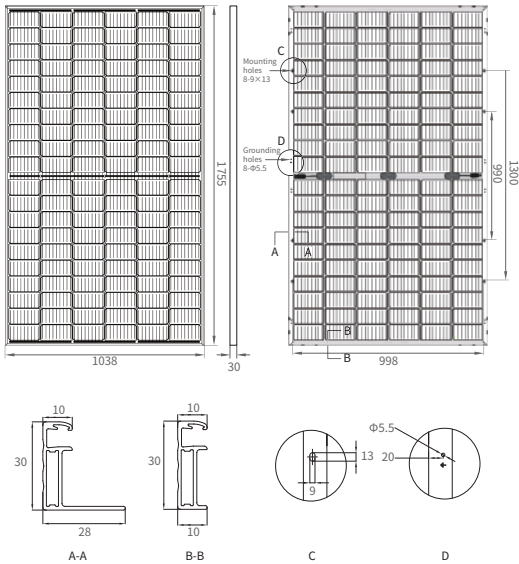
Long weather resistance

LID-free, PID-free
 Certified in fireproofing for safety



JINNENG CLEAN ENERGY TECHNOLOGY LTD JINNENG PHOTOVOLTAIC TECHNOLOGY LTD

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MECHANICAL PARAMETERS

Cell (mm)	166*83 HJT
Dimensions (L*W*H) (mm)	1755*1038*30
Weight (kg)	22.2
Cable Cross Section Size (mm ²)	4
No. of Cells & Connections	120(6*20)
No. of Diodes	3

QUALIFICATION

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
Fire Rating	Class C
Junction Box & Connector Protection Grade	IP68
Bifacial Factor(%)	>85

ELECTRICAL PARAMETERS

JNHM120-370 JNHM120-375 JNHM120-380 JNHM120-385 JNHM120-390

STC AM1.5 1000W/m ² Cell Temperature 25°C	JNHM120-370	JNHM120-375	JNHM120-380	JNHM120-385	JNHM120-390
Max. Power at STC (Pmpp/W)	370	375	380	385	390
Output Tolerance (W)	0-+5	0-+5	0-+5	0-+5	0-+5
Max. Power Voltage (Vmp/V)	37.32	37.50	37.68	37.74	38.04
Max. Power Current (Imp/A)	9.92	10.00	10.09	10.21	10.26
Open Circuit Voltage (Voc/V)	44.16	44.28	44.40	44.46	44.64
Short Circuit Current (Isc/A)	10.60	10.68	10.77	10.84	10.91
Module Efficiency (%)	20.3	20.6	20.9	21.1	21.4

BIFACIAL OUTPUT-Backside Power Gain

		JNHM120-370	JNHM120-375	JNHM120-380	JNHM120-385	JNHM120-390
10%	Max. Power (Pmpp/W)	407	412.5	418	423.5	429
	Module Efficiency (%)	22.3	22.6	22.9	23.2	23.5
20%	Max. Power (Pmpp/W)	444	450	456	462	468
	Module Efficiency (%)	24.4	24.7	25.0	25.4	25.7
30%	Max. Power (Pmpp/W)	481	487.5	494	500.5	507
	Module Efficiency (%)	26.4	26.8	27.1	27.5	27.8

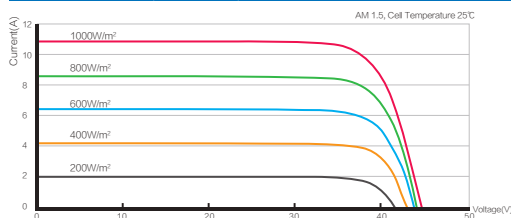
PACKING CONFIGURATION

Pieces Per Pallet	36
Pallets Per Stack	2
Stacks Per Container	13
Pieces Per Container	936

TEMPERATURE COEFFICIENTS

Nominal Module Operating Temperature (NMOT)	43±2°C
Temperature Coefficient Voltage (Voc)	-0.21 %/°C
Temperature Coefficient Current (Isc)	0.015 %/°C
Temperature Coefficient Power (Pm)	-0.26 %/°C

I-V CURVE(380W)



Optional

Connector Type	<input type="checkbox"/> MC4 Compatible	<input type="checkbox"/> MC4
Cable Length	<input type="checkbox"/> 295mm / 145mm	<input type="checkbox"/> Customized
Frame Color	<input type="checkbox"/> Silver	<input type="checkbox"/> Black

Notes:

CAUTION: The electrical parameters in this product datasheet do not refer to only one module, nor are they promised in the contract. Read safety and installation instructions before using the product. The contents of this specification are for reference only and are subject to change without notice. Jinneng reserves the right of final interpretation.
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