

# JNMM108-395~415(L)

"L" after the module type indicates that the type is suitable for 1000V DC.

## High efficiency mono solar module

### JNMM108

Deploying 182 wafer and advanced PERC technology, the module features high efficiency.

MBB and high-density interconnect technology improves power output and module efficiency.

Deploying advanced non-destructive cutting and half-cut technology, the module features excellent mechanical performance.

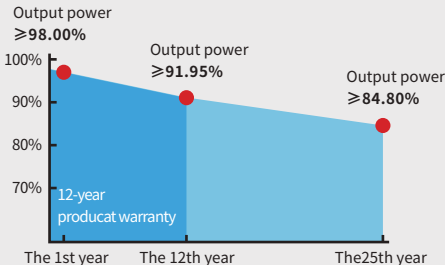
Higher power output brings competitive LCOE and BOS cost, more suitable for ground-mount and C&I PV stations.

### CERTIFICATION



TUV: IEC/EN 61215, IEC/EN 61730  
GB/T 19001-2016/ ISO 9001:2015  
GB/T 24001-2016/ ISO 14001:2015  
GB/T 45001-2020/ ISO 45001:2018  
CNAS-CL01:ISO/IEC 17025:2017

### QUALITY ASSURANCE



#### Advanced production process

Optimized MBB design  
Cell efficiency >23.0%



#### 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



#### Stable mechanical performance

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



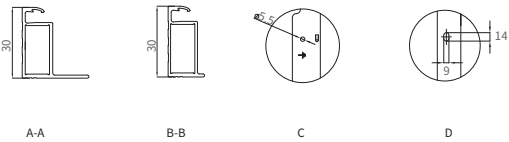
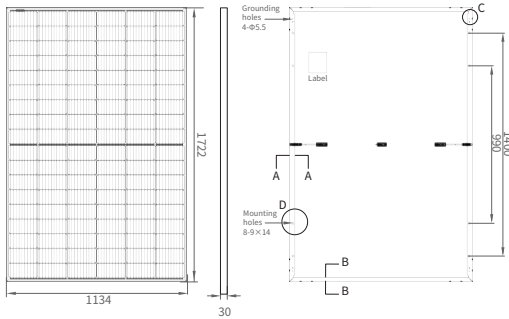
#### Long weather resistance

Excellent anti-PID performance  
Certified in fireproofing for safety



### JINNENG CLEAN ENERGY TECHNOLOGY LTD JINNENG PHOTOVOLTAIC TECHNOLOGY LTD

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**MECHANICAL PARAMETERS**

Cell (mm)	182*91 Mono
Dimensions (L*W*H) (mm)	1722*1134*30
Weight (kg)	20.4
Cable Cross Section Size (mm <sup>2</sup> )	4
No. of Cells & Connections	108(6*18)
No. of Diodes	3

**QUALIFICATION**

Temperature Cycling Range (°C)	-40~+85
Max. Series Fuse Rating (A)	25
Max. Wind Load / Max. Snow Load (Pa)	2400 / 5400
Hot Spot Rate	100% Free
Fire Rating	Class C
Junction Box & Connector Protection Grade	IP68

**ELECTRICAL PARAMETERS**

Module Type	(1000V DC)	JNMM108-395L	JNMM108-400L	JNMM108-405L	JNMM108-410L	JNMM108-415L
	(1500V DC)	JNMM108-395	JNMM108-400	JNMM108-405	JNMM108-410	JNMM108-415
<b>STC</b> AM1.5 1000W/m <sup>2</sup> Cell Temperature 25°C	Max. Power at STC (Pmpp/W)	395	400	405	410	415
	Output Tolerance (W)	0+5	0+5	0+5	0+5	0+5
	Max. Power Voltage (Vmp/V)	30.72	31.04	31.35	31.62	31.92
	Max. Power Current (Imp/A)	12.86	12.89	12.92	12.97	13.00
	Open Circuit Voltage (Voc/V)	36.19	36.54	36.89	37.21	37.56
	Short Circuit Current (Isc/A)	13.66	13.70	13.74	13.79	13.83
	Module Efficiency (%)	20.22	20.48	20.74	20.99	21.25
<b>NMOT</b> AM1.5 800W/m <sup>2</sup> Ambient Temperature 20°C Wind Speed 1m/s	Max. Power at NMOT (Pmpp/W)	298.3	302.1	305.9	309.6	313.4
	Max. Power Voltage (Vmp/V)	29.00	29.29	29.59	29.84	30.14
	Max. Power Current (Imp/A)	10.29	10.31	10.34	10.38	10.40
	Open Circuit Voltage (Voc/V)	34.17	34.50	34.83	35.13	35.46
	Short Circuit Current (Isc/A)	11.00	11.03	11.06	11.10	11.13

\*Measurement tolerance: Pmax: ±3%, Voc: ±3%; Isc: ±5%.

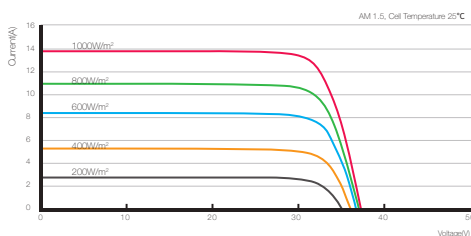
**PACKING CONFIGURATION**

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)	-0.29 %/°C
Temperature Coefficient Current (Isc)	0.04 %/°C
Temperature Coefficient Power (Pm)	-0.35 %/°C

**I-V CURVE(405W)**



**Optional**

Connector Type	<input type="checkbox"/> MC4 Compatible	<input type="checkbox"/> MC4
Cable Length	<input type="checkbox"/> 325mm / 175mm	<input type="checkbox"/> Customized
Frame Color	<input type="checkbox"/> Silver	<input type="checkbox"/> Black
Max. System Voltage	<input type="checkbox"/> 1000V	<input type="checkbox"/> 1500V

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. Jinyang reserves the right of final interpretation.  
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