

MECHANICAL PARAMETERS

Cell (mm)	166*83 Mono
Dimensions (L*W*H) (mm)	2094*1038*35/40 2108*1048*35/40
Weight (kg)	23.3/23.6 23.5/23.8
Cable Cross Section Size (mm ²)	4
Cable Length (mm)	Positive 295 / Negative 145
No. of Cells & Connections	144(6*24)
No. of Diodes	3
Type of Connector	PV-JN01/PV-KST4-EVO 2/xy_UR,PV-KBT4-EVO2/xy_UR

QUALIFICATION

Max. System Voltage (V DC)	1500
Temperature Cycling Range (°C)	-40~+85
Max. Series Fuse Rating (A)	20
Max. Wind Load / Max. Snow Load (Pa)	2400 / 5400
Fire Rating	Class C
Junction Box & Connector Protection Grade	IP68

TEMPERATURE COEFFICIENTS

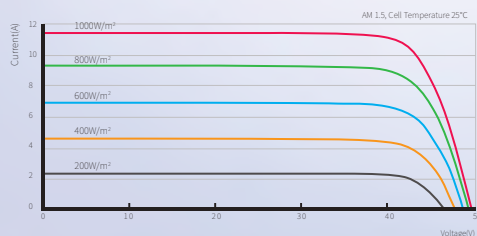
Nominal Module Operating Temperature (NMOT)	43±2°C
Temperature Coefficient Voltage (Voc)	-0.29 %/°C
Temperature Coefficient Current (Isc)	0.04 %/°C
Temperature Coefficient Power (Pm)	-0.37 %/°C

ELECTRICAL PARAMETERS

Module Type	JNMM144-445	JNMM144-450	JNMM144-455
STC AM1.5 1000W/m ² Cell Temperature 25°C	Max. Power at STC (Pmpp/W)	445	455
	Output Tolerance (W)	0-+5	0-+5
	Max. Power Voltage (Vmp/V)	41.16	41.36
	Max. Power Current (Imp/A)	10.82	10.89
	Open Circuit Voltage (Voc/V)	49.78	49.98
	Short Circuit Current (Isc/A)	11.42	11.50
	Module Efficiency (%)	20.5	20.7
NMOT AM1.5 800W/m ² Ambient Temperature 20°C Wind Speed 1m/s	Max. Power at NMOT (Pmpp/W)	334.9	342.5
	Max. Power Voltage (Vmp/V)	38.69	38.88
	Max. Power Current (Imp/A)	8.66	8.71
	Open Circuit Voltage (Voc/V)	47.00	47.18
	Short Circuit Current (Isc/A)	9.19	9.32

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

I-V CURVE(450W)



PACKING CONFIGURATION

Container (High cube)	
Pieces Per Pallet	31/27/31/27
Pallets Per Stack	2
Stacks Per Container	11
Pieces Per Container	682/594/682/594



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

CAUTION: The electrical parameters in this product datasheet do not refer to only one module. 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. Jinery reserves the right of final interpretation. made in China. JNM-20230906-11.3P © 2022 JINNENG CLEAN ENERGY TECHNOLOGY LTD. ALL RIGHTS RESERVED.

15-year Product materials and workmanship quality warranty

Output power		
The 1st year	The 15th year	The 25th year
≥98.00%	≥90.30%	≥84.80%

