

JHN5/66H 510-530Wp

N-TOPCon Monocrystalline Half-cut Cell Solar Module



M10 N-TOPCon Technology

TOPCon cells combined with MBB provides ultra-high power output



Excellent weak light performance

More power output in weak light condition, such as cloudy, morning and sunset



Lower LID

The N-type TOPCon module has better reliability and lower LID

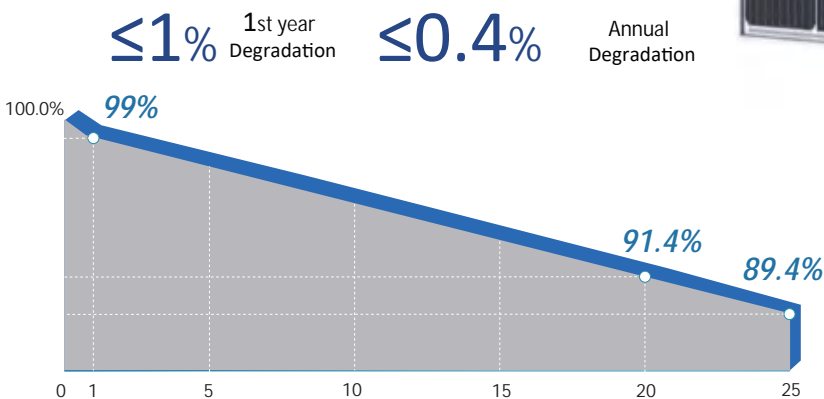


PID Resistance

According to IEC TS 62804-1



Linear Performance Warranty



12 Years Product Warranty

25 Years Linear Power Warranty



IEC61215:2021
 IEC61730:2016
 IEC62804(PID free)
 ISO9001/14001/45001

ELECTRICAL CHARACTERISTICS

Module Type	JHN5/66H510		JHN5/66H515		JHN5/66H520		JHN5/66H525		JHN5/66H530	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Peak Power (Pmax) (W)	510	377	515	381	520	385	525	389	530	393
Maximum Power Voltage (Vmp) (V)	38.3	35.9	38.5	36.1	38.7	36.3	38.9	36.5	39.1	36.7
Maximum Power Current (Imp) (A)	13.32	10.52	13.38	10.56	13.44	10.61	13.50	10.66	13.56	10.71
Open-circuit Voltage (Voc) (V)	46.3	43.3	46.5	43.5	46.7	43.8	46.9	44.0	47.1	44.2
Short-circuit Current (Isc) (A)	14.07	11.38	14.13	11.43	14.19	11.48	14.25	11.52	14.31	11.56
Module Efficiency	21.48%		21.69%		21.90%		22.11%		22.32%	

*STC (Standard Test Condition): Irradiance 1000W/ m², Cell Temperature 25°C, AM 1.5

*NMOT(Under Nominal Module Operating Temperature): Irradiance of 800W/ m², Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

MECHANICAL CHARACTERISTICS

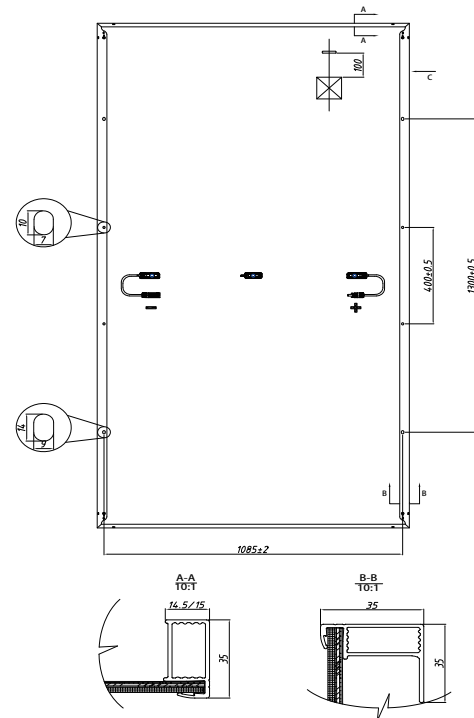
Cell Type	N-TOPCon Mono-Crystalline
Cell Arrangement	132pcs (2×(6×11))
Dimension (L×W×H)	2094×1134×35mm
Weight	26.5kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable	4mm ² /400mm(+)&200mm(-)
Connector	MC4 Compatible
Snow/Wind Load	5400Pa/2400Pa

OPERATING PARAMETERS

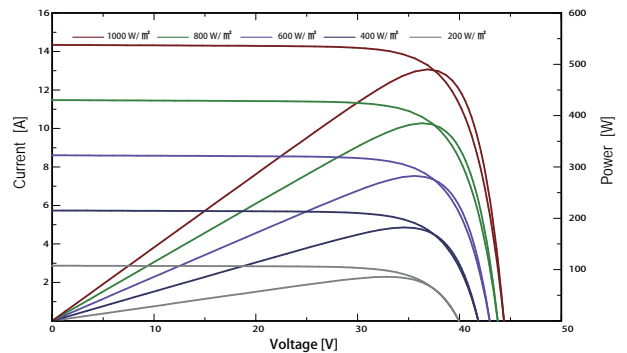
Power tolerance	0~+5W
Maximum System Voltage	1500V DC (IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	25 A
Protection Class	Class II

Engineering Design

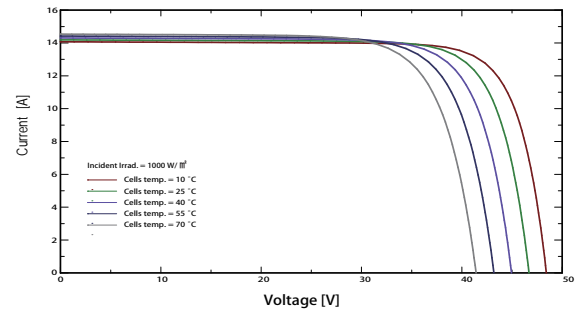
*Unit:mm



I-V/P-V Curve at Different Irradance (520W)



I-V Curve at Different Working Temperature (520W)



TEMPERATURE CHARACTERISTICS

Temperature coefficient of Pmax	-0.33%
Temperature coefficient of Voc	-0.26%
Temperature coefficient of Isc	0.055%
NMOT	44±2°C

PACKING MANNER

Packing Type	40HQ
Piece/Pallet	31
Pallet/Container	22
Piece/Container	682

*Power measurement tolerance: ±3%

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