

# JHN5/72GD 560-580Wp

N-TOPCon Bifacial Dual Glass Module



## M10 N-TOPCon Technology

TOPCon cells combined with MBB provides ultra-high power output



## Higher Bifacial Rate

Bifacial technology enables additional energy harvesting from rear side



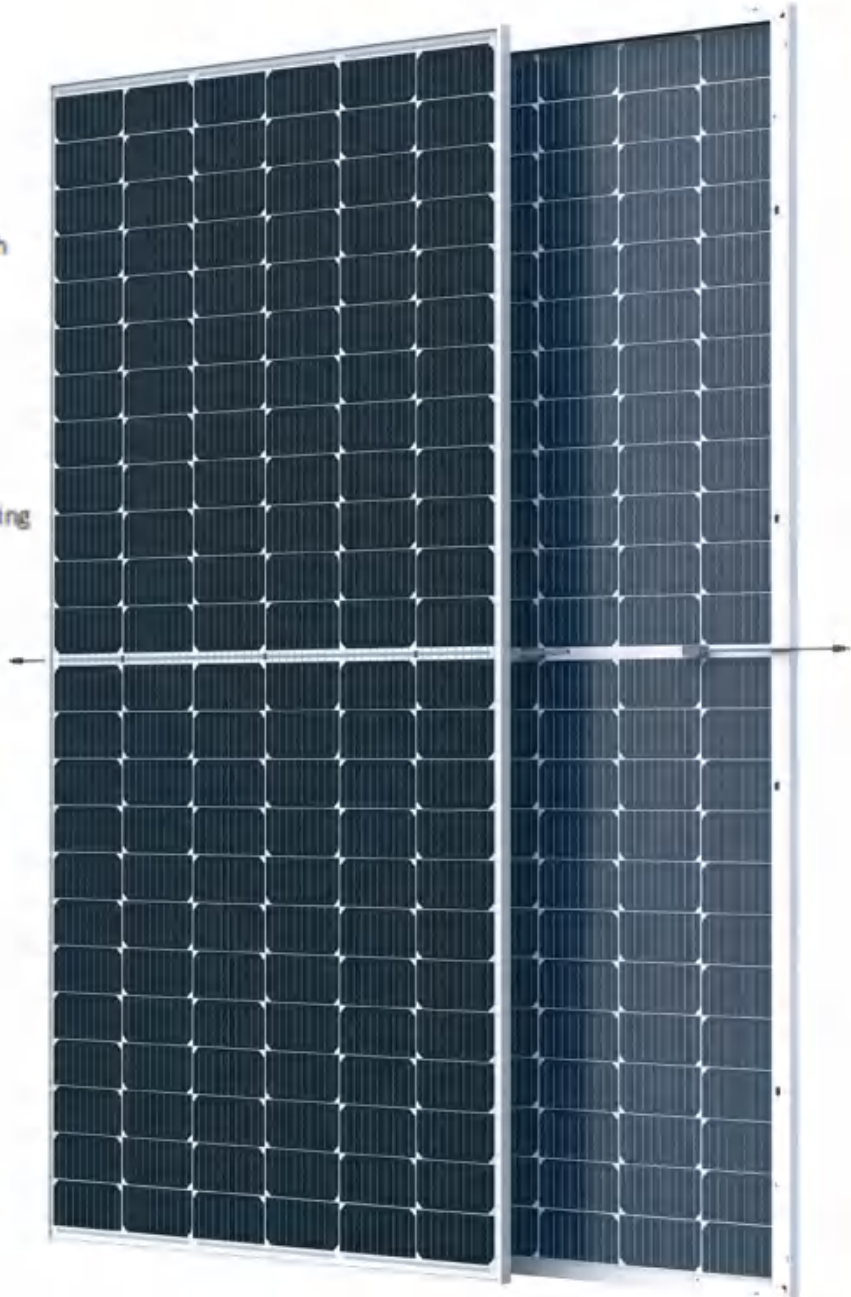
## Lower LID

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



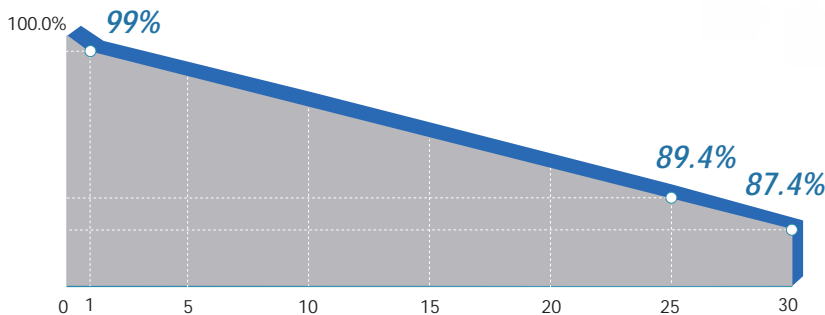
## PID Resistance

According to IEC TS 62804-1



## Linear Performance Warranty

$\leq 1\%$  1st year Degradation     $\leq 0.4\%$  Annual Degradation



**12** Years Product Warranty

**30** Years Linear Power Warranty



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

**ELECTRICAL CHARACTERISTICS**

Module Type	JHN5/72GD560		JHN5/72GD565		JHN5/72GD570		JHN5/72GD575		JHN5/72GD580	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Peak Power (Pmax) (W)	560	421	565	425	570	430	575	432	580	436
Maximum Power Voltage (Vmp) (V)	41.9	39.4	42.1	39.5	42.3	39.7	42.4	39.8	42.6	39.9
Maximum Power Current (Imp) (A)	13.37	10.69	13.42	10.76	13.48	10.81	13.56	10.85	13.62	10.93
Open-circuit Voltage (Voc) (V)	50.7	48.1	50.9	48.3	51.1	48.5	51.3	48.7	51.5	48.9
Short-circuit Current (Isc) (A)	14.13	11.41	14.19	11.46	14.25	11.50	14.31	11.55	14.37	11.60
Module Efficiency	21.68%		21.87%		22.07%		22.26%		22.45%	

\*STC (Standard Test Condition): Irradiance 1000W/ m<sup>2</sup>, Cell Temperature 25°C, AM 1.5

\*NMOT(Under Nominal Module Operating Temperature): Irradiance of 800W/ m<sup>2</sup>, Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

**Rearside Power Gain** (Reference to JHN5/72GD570)

Rearside Power gain	5%	10%	15%	20%	25%
Peak Power (Pmax) (W)	599	627	656	684	713
Maximum Power Voltage (Vmp) (V)	42.3	42.3	42.3	42.4	42.4
Maximum Power Current (Imp) (A)	14.15	14.82	15.50	16.13	16.80
Open-circuit Voltage(Voc) (V)	51.1	51.1	51.1	51.2	51.2
Short-circuit Current (Isc) (A)	14.96	15.67	16.33	17.06	17.77

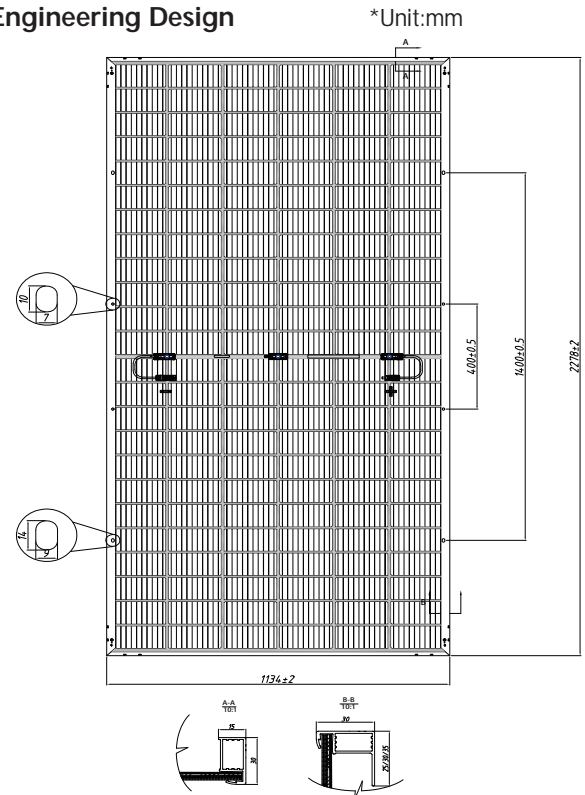
**MECHANICAL CHARACTERISTICS**

Cell Type	N-TOPCon Mono-Crystalline
Cell Arrangement	144pcs (2×(6×12))
Dimension (L×W×H)	2278×1134×30mm
Weight	31.0kg
Front Cover	2.0mm +2.0mm Half Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable	4mm <sup>2</sup> /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	30 A
Protection Class	Class II
Bifaciality	80±5%

**Engineering Design**



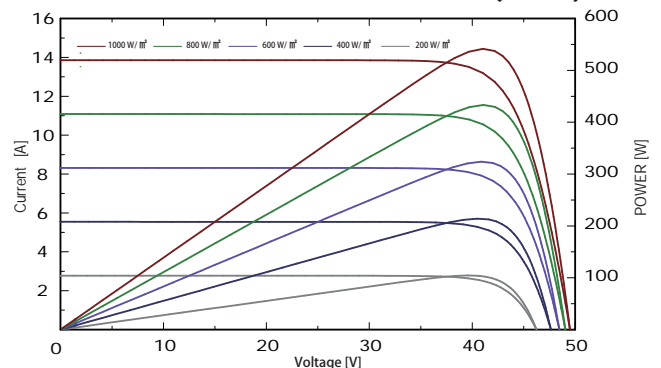
**TEMPERATURE CHARACTERISTICS**

Temperature coefficient of Pmax	-0.30%
Temperature coefficient of Voc	-0.25%
Temperature coefficient of Isc	0.046%
NMOT	45±2°C

**PACKING MANNER**

Packing Type	40HQ
Piece/Pallet	36
Pallet/Container	20
Piece/Container	720

**I-V/P-V Curve at Different Irradance (570W)**



\*Power measurement tolerance: ±3%

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