

# EM-N72M 570-590

**BIFACIAL MODULE WITH  
DUALGLASS**

N-TYPE

## 0~+5W

POSITIVE POWER TOLERANCE

IEC61215(2021), IEC61730(2023)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018: Occupational health and safety management systems

## KEY FEATURES



### SMBB technology

Better current collection to improve module power output and reliability.



### Low attenuation technology

Lower LID / LETID attenuation with high reliable N-type module



### Bifacial power generation

Power generation can reach up to 25% maximum, significantly improving power generation gain and reducing LCOE.



### Excellent temperature coefficient

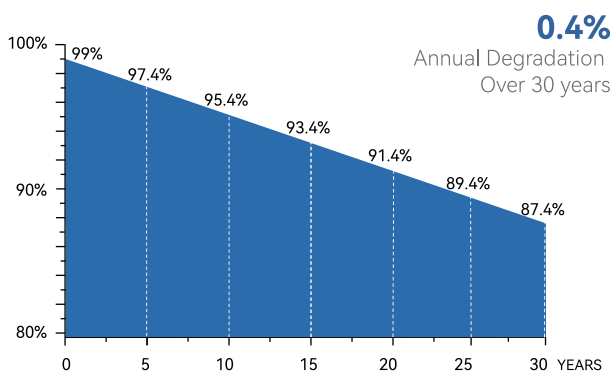
Ensure high power generation in low temperature areas.



### Anti-PID technology

Excellent Anti-PID performance via highly reliable cell and material technology

## LINEAR PERFORMANCE WARRANTY

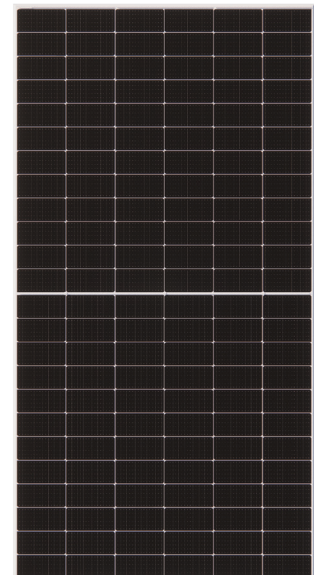


**12**  
YEARS

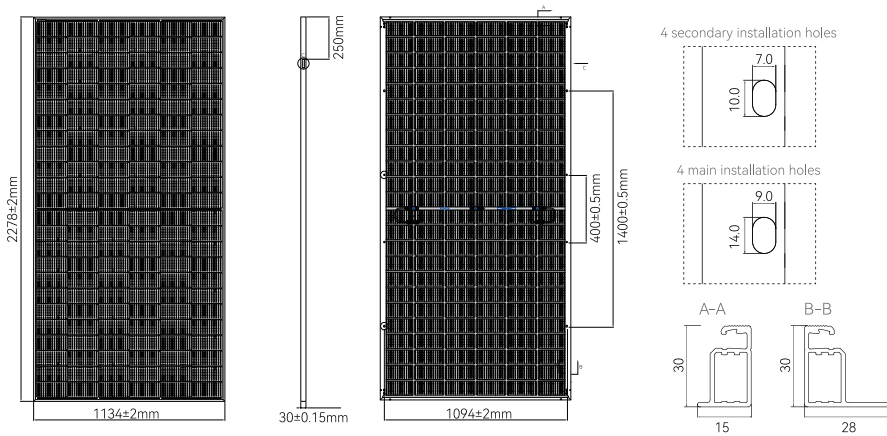
Year Product Warranty

**30**  
YEARS

Year Linear Power Warranty



**ASSEMBLY DRAWING**



**PACKAGING CONFIGURATION**

**Pallet Dimension (mm)**  
2300\*1120\*1249  
36pcs/pallet, 72pcs/stack  
720pcs/40'HQ Container  
Two Pallets = One Stack

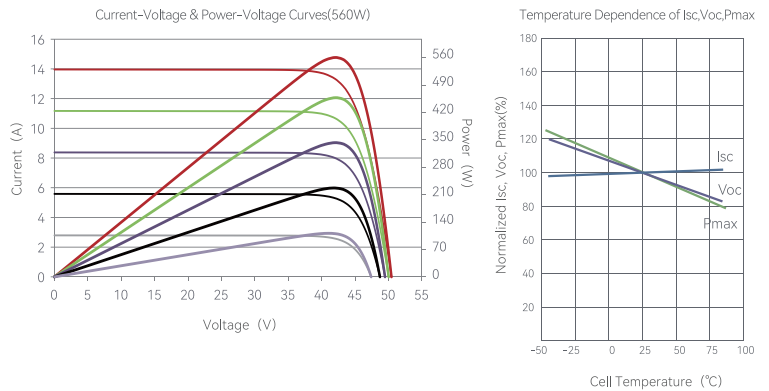
Length: ±2mm    Height: ±1mm  
Width: ±2mm    Row Pitch: ±2mm

DISTANCES MEASURED FROM CORNER TO CORNER

**Mechanical Characteristics**

Cell Type	N type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2278×1134×30mm
Weight	32.3kg
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TÜV 1×4.0mm <sup>2</sup> (+): 350mm, (-): 250mm or Customized Length

**Electrical Performance & Temperature Dependence**



MODULE TYPE	EM-N72M570		EM-N72M575		EM-N72M580		EM-N72M585		EM-N72M590	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	570Wp	430Wp	575Wp	433Wp	580Wp	437Wp	585Wp	441Wp	590Wp	445Wp
Maximum Power Voltage (Vmp)	42.3V	40.56V	42.4V	40.73V	42.6V	40.89V	42.8V	41.05V	43V	41.21A
Maximum Power Current (Imp)	13.48A	10.59A	13.56A	10.64A	13.62A	10.69A	13.67A	10.74A	13.73A	10.79A
Open-circuit Voltage (Voc)	51.1V	39.60V	51.3V	39.75V	51.5V	39.90V	51.7V	40.05V	51.9V	40.20V
Short-circuit Current (Isc)	14.25A	11.16A	14.31A	11.21A	14.37A	11.26A	14.43A	11.31A	14.49A	11.36A
Module Efficiency STC (%)	22.07%		22.26%		22.45%		22.65%		22.84%	
Operating temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	30A									
Power tolerance	0~+5W									
Temperature coefficients of Pmax	-0.29%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.046%/°C									
Nominal operating cell temperature (NOCT)	44°C±2°C									
Refer. Bifacial Factor	80±10%									

STC : Irradiance : 1000W/m<sup>2</sup> Cell Temperature : 25°C AM=1.5

NOCT : Irradiance : 800W/m<sup>2</sup> Ambient Temperature : 20°C AM=1.5 Wind Speed 1m/s