

# EM-N72MT 565-585

**BIFACIAL MODULE WITH  
DUALGLASS**  
N-TYPE

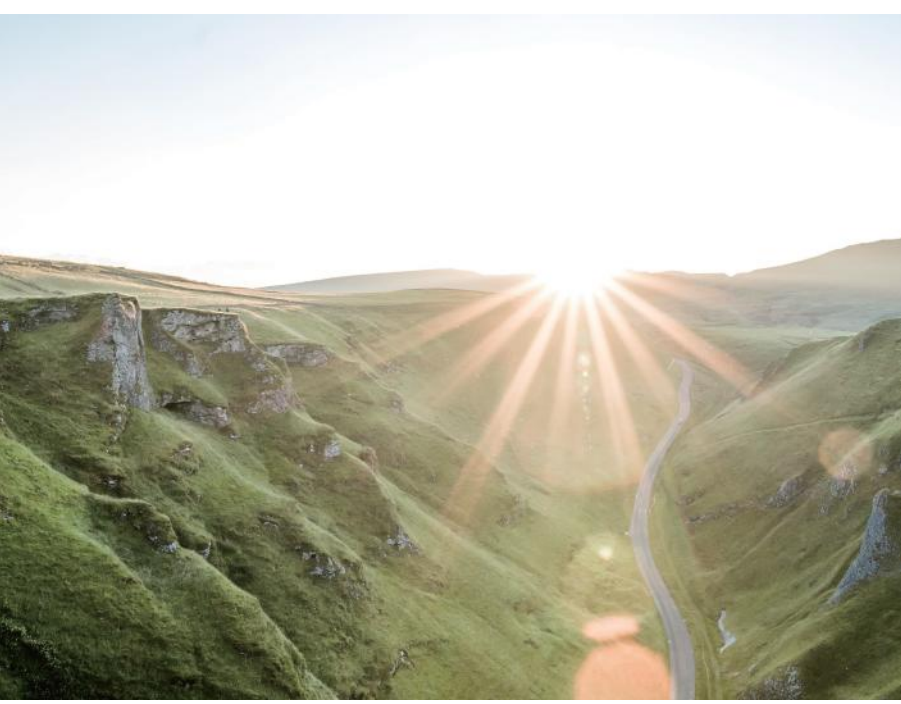
**POSITIVE POWER TOLERANCE**

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.

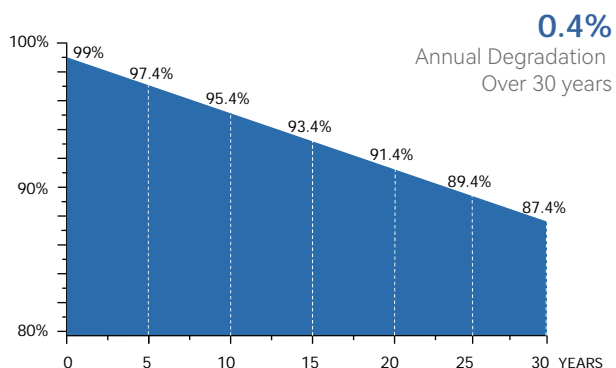


### Anti-PID technology

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



## LINEAR PERFORMANCE WARRANTY



**15**  
YEARS

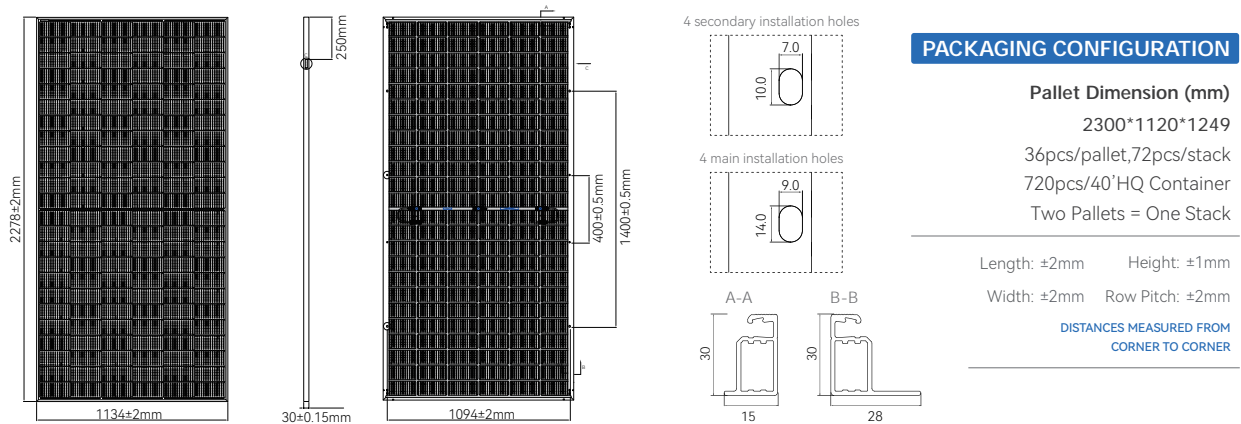
Year Product Warranty

**30**  
YEARS

Year Linear Power Warranty



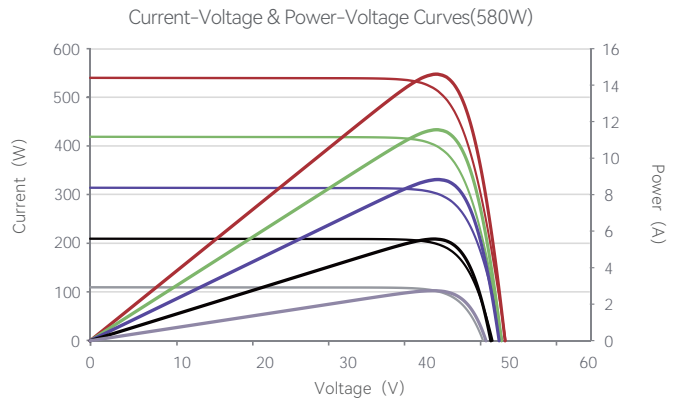
ASSEMBLY DRAWING



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2278×1134×30mm
Weight	28.3kg
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Glazed glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm2 (+): 300mm, (-): 200mm or Customized Length

Electrical Performance & Temperature Dependence



MODULE TYPE	EM-N72MT565		EM-N72MT570		EM-N72MT575		EM-N72MT580		EM-N72MT585	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	565Wp	428Wp	570Wp	432Wp	575Wp	436Wp	580Wp	439Wp	585Wp	443Wp
Maximum Power Voltage (Vmp)	42.1V	40.1V	42.3V	40.29V	42.5V	40.48V	42.7V	40.67V	42.9V	40.86A
Maximum Power Current (Imp)	13.42A	10.74A	13.48A	10.78A	13.53A	10.82A	13.59A	10.87A	13.64A	10.91A
Open-circuit Voltage (Voc)	50.9V	48.02V	51.1V	48.21V	51.3V	48.4V	51.5V	48.58V	51.7V	48.77V
Short-circuit Current (Isc)	14.19A	11.44A	14.25A	11.49A	14.31A	11.54A	14.37A	11.59A	14.43A	11.64A
Module Efficiency STC (%)	21.87%		22.07%		22.26%		22.45%		22.65%	
Operating temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	25A									
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									

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