

EM-N72M 580-605

**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.



Bifacial power generation

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



Anti-PID technology

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



Low attenuation technology

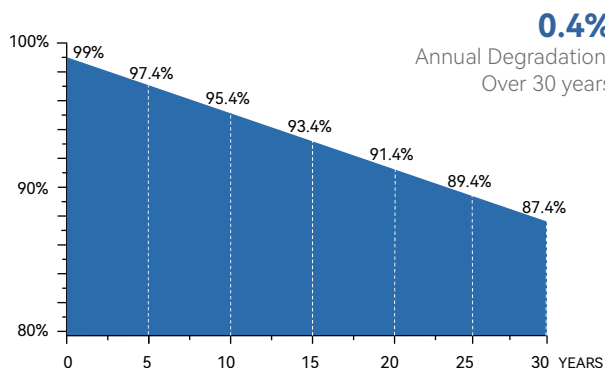
Lower LID / LETID attenuation with high reliable N-type module



Excellent temperature coefficient

Ensure high power generation in low temperature areas.

LINEAR PERFORMANCE WARRANTY



15
YEARS

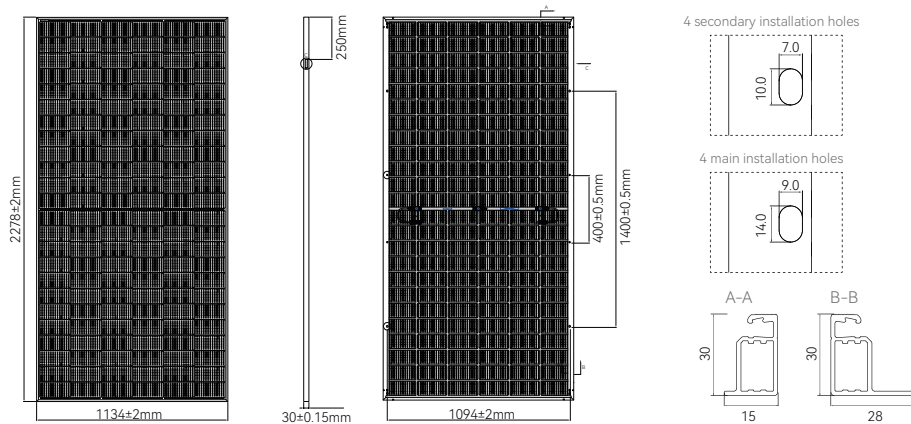
Year Product Warranty

30
YEARS

Year Linear Power Warranty



ASSEMBLY DRAWING



PACKAGING CONFIGURATION

Pallet Dimension (mm)

2300*1120*1249

36pcs/pallet, 72pcs/stack

936pcs/40'HQ Container

Two Pallets = One Stack

Length: ±2mm Height: ±1mm

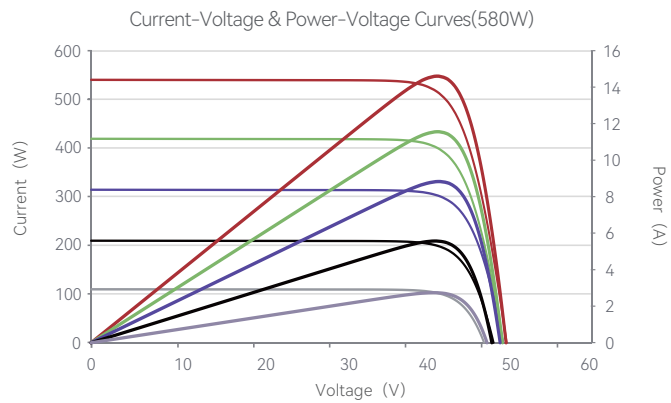
Width: ±2mm Row Pitch: ±2mm

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, Glazed glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm ² (+): 300mm, (-): 200mm or Customized Length

Electrical Performance & Temperature Dependence



MODULE TYPE	EM-N72M580		EM-N72M585		EM-N72M590		EM-N72M595		EM-N72M600		EM-N72M605	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	580Wp	437Wp	585Wp	441Wp	590Wp	445Wp	595Wp	449Wp	600Wp	453Wp	605Wp	457Wp
Maximum Power Voltage (Vmp)	42.6V	40.89V	42.8V	41.05V	43V	41.21A	43.2V	41.38A	43.4V	41.55A	43.6V	41.72A
Maximum Power Current (Imp)	13.62A	10.69A	13.67A	10.74A	13.73A	10.79A	13.81A	10.84A	13.89A	10.89A	13.97A	10.94A
Open-circuit Voltage (Voc)	51.5V	39.9V	51.7V	40.05V	51.9V	40.2V	52.1V	40.35V	52.3V	40.5V	52.5V	40.65V
Short-circuit Current (Isc)	14.37A	11.26A	14.43A	11.31A	14.49A	11.36A	14.55A	11.41A	14.61A	11.46A	14.67A	11.51A
Module Efficiency STC (%)	22.45%		22.65%		22.84%		23.03%		23.22%		23.41%	
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/m² Cell Temperature : 25°C AM=1.5

NOCT : Irradiance : 800W/m² Ambient Temperature : 20°C AM=1.5 Wind Speed 1m/s