

EM-N66M 500-520

**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.

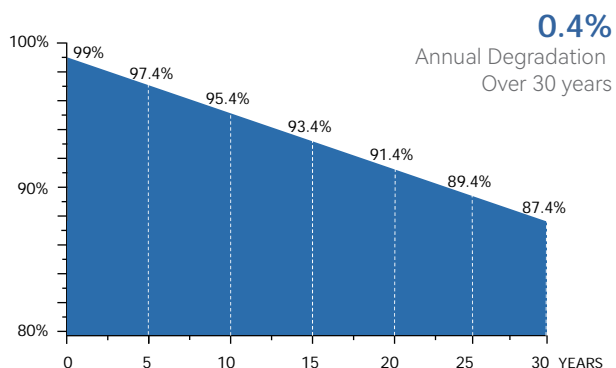


Anti-PID technology

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



LINEAR PERFORMANCE WARRANTY

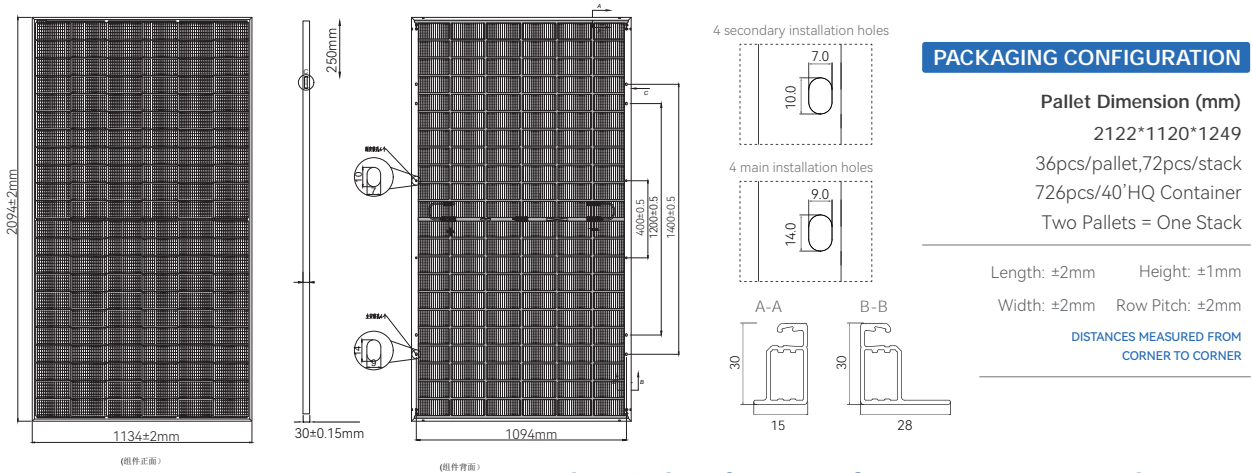


15
YEARS
Year Product Warranty

30
YEARS
Year Linear Power Warranty



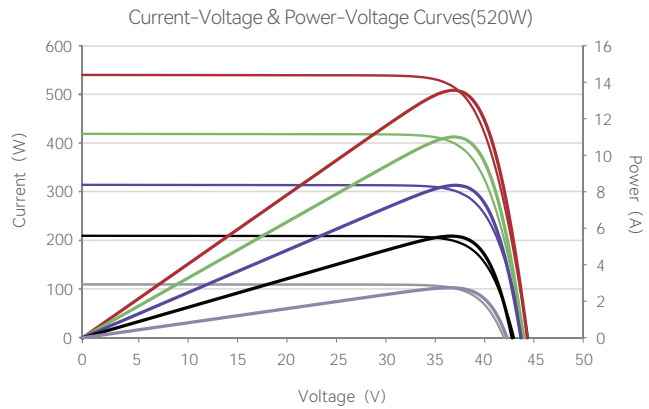
ASSEMBLY DRAWING



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	132 (6×22)
Dimensions	2094×1134×30mm
Weight	26.3kg
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	Transparent back sheet
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-N66MT500		EM-N66MT505		EM-N66MT510		EM-N66MT515		EM-N66MT520	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	500Wp	378Wp	505Wp	383Wp	510Wp	386Wp	515Wp	390Wp	520Wp	393Wp
Maximum Power Voltage (Vmp)	37.9V	36.1V	38.1V	36.37V	38.3V	36.5V	38.5V	36.7V	38.7V	36.9V
Maximum Power Current (Imp)	13.19A	10.64A	13.25A	10.68A	13.31A	10.73A	13.37A	10.78A	13.43A	10.83A
Open-circuit Voltage (Voc)	45.7V	43.5V	45.9V	43.7V	46.1V	43.9V	46.3V	44.1V	46.5V	44.3V
Short-circuit Current (Isc)	13.72A	11.06A	13.81A	11.13A	13.9A	11.21A	13.99A	11.28A	14.08A	11.36A
Module Efficiency STC (%)	21.06%		21.26%		21.47%		21.68%		21.89%	
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