

EM-N66MT 510-530

**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

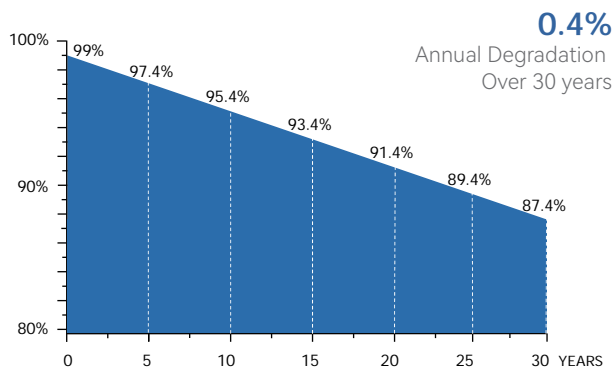
Ensure high power generation in low temperature areas.



Anti-PID technology

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

LINEAR PERFORMANCE WARRANTY



15
YEARS

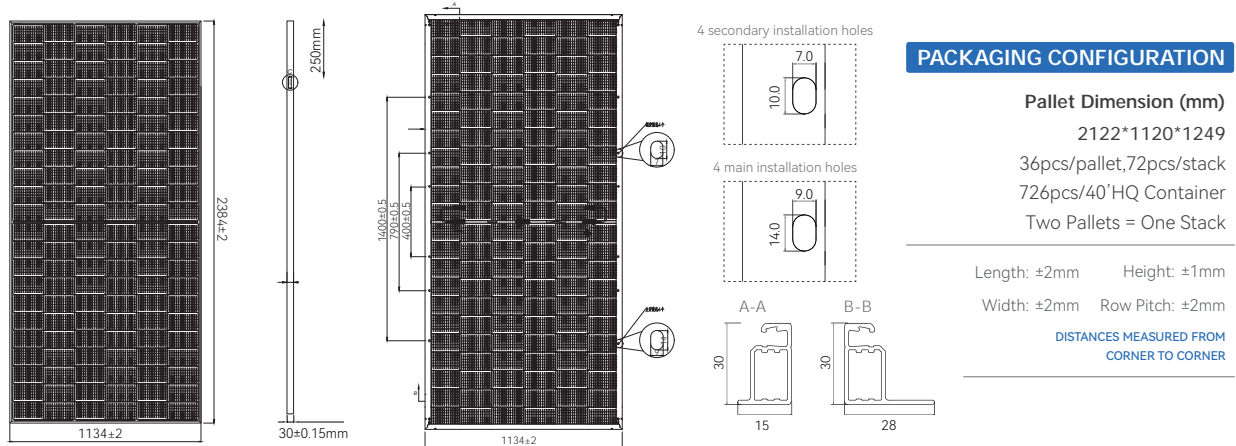
Year Product Warranty

30
YEARS

Year Linear Power Warranty



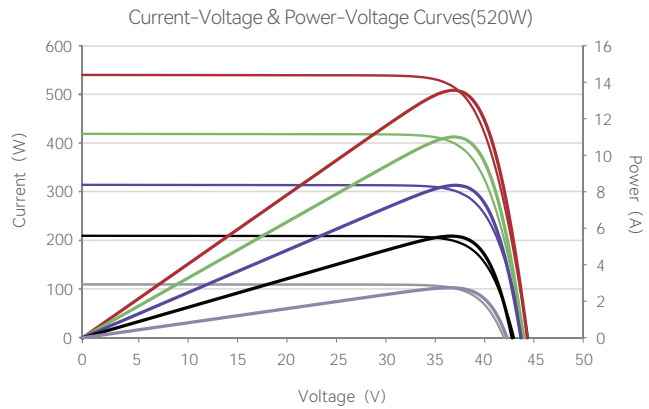
ASSEMBLY DRAWING



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-N66MT510		EM-N66MT515		EM-N66MT520		EM-N66MT525		EM-N66MT530	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	510Wp	386Wp	515Wp	390Wp	520Wp	394Wp	525Wp	398Wp	530Wp	402Wp
Maximum Power Voltage (Vmp)	38.3V	36.48V	38.5V	36.67V	38.7V	36.86V	38.9V	37.05V	39.1V	37.24V
Maximum Power Current (Imp)	13.32A	10.65A	13.38A	10.7A	13.44A	10.75A	13.5A	10.8A	13.56A	10.85A
Open-circuit Voltage (Voc)	46.3V	43.68V	46.5V	43.87V	46.7V	44.06V	46.9V	44.25V	47.1V	44.43V
Short-circuit Current (Isc)	14.07A	11.35A	14.13A	11.4A	14.19A	11.44A	14.25A	11.49A	14.31A	11.54A
Module Efficiency STC (%)		21.48%		21.69%		21.90%		22.11%		22.32%
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