

# EM-N60MRT 540-560

**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.



### 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

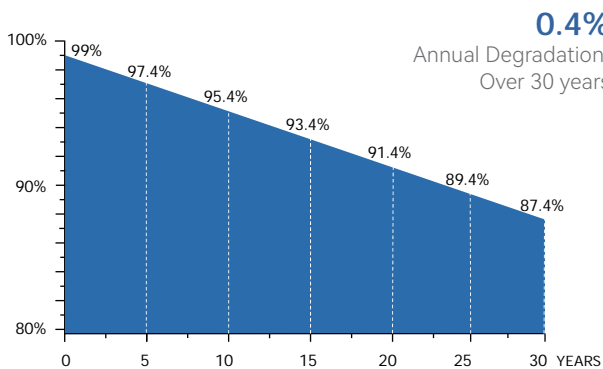


### Excellent temperature coefficient

Ensure high power generation in low temperature areas.



## LINEAR PERFORMANCE WARRANTY



**15**  
YEARS

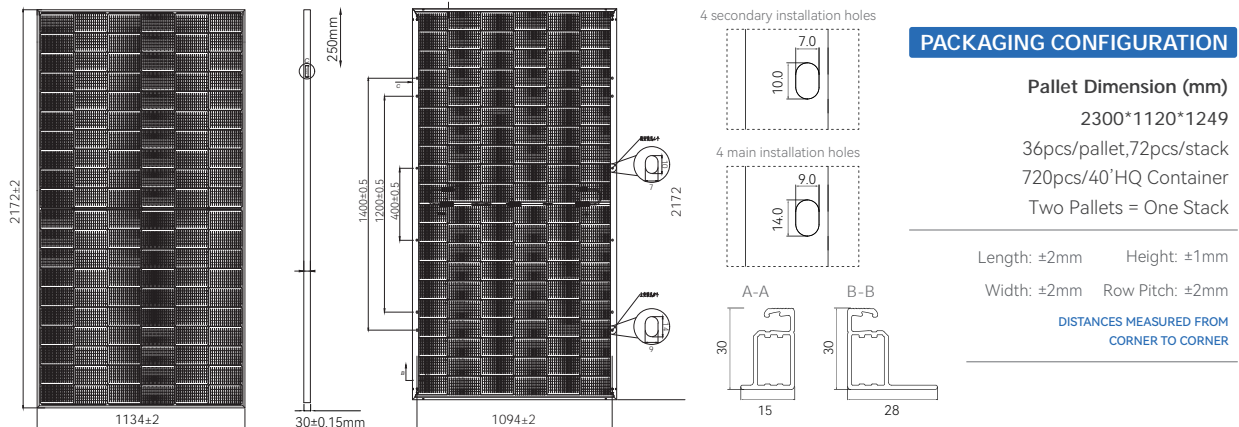
Year Product Warranty

**30**  
YEARS

Year Linear Power Warranty



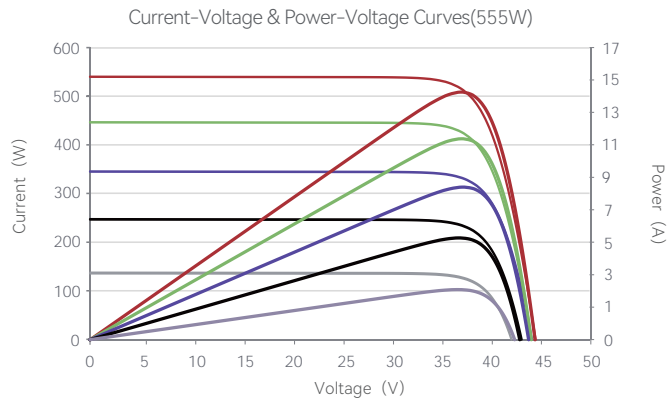
ASSEMBLY DRAWING



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	120 (6×20)
Dimensions	2172×1134×30mm
Weight	25.9kg
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 <sup>2</sup> (+): 300mm, (-): 200mm or Customized Length

Electrical Performance & Temperature Dependence



MODULE TYPE	EM-N60MRT540		EM-N60MRT545		EM-N60MRT550		EM-N60MRT555		EM-N60MRT560	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	540Wp	409Wp	545Wp	413Wp	550Wp	417Wp	555Wp	420Wp	560Wp	424Wp
Maximum Power Voltage (Vmp)	36.6V	34.89V	36.8V	35.06V	37.1V	35.32V	37.4V	35.58V	37.8V	36.02V
Maximum Power Current (Imp)	14.76A	11.81A	14.78A	11.83A	14.81A	11.85A	14.83A	11.87A	14.85A	11.88A
Open-circuit Voltage (Voc)	44.0V	41.51V	44.3V	41.77V	44.5V	42.02V	44.8V	42.28V	45.3V	42.71V
Short-circuit Current (Isc)	15.64A	12.62A	15.67A	12.64A	15.7A	12.66A	15.73A	12.69A	15.77A	12.72A
Module Efficiency STC (%)	19.99%		20.18%		20.36%		20.55%		20.73%	
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									

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