

EM-N60MHC 625-645

**BIFACIAL MODULE WITH
DUALGLASS**
N-TYPE

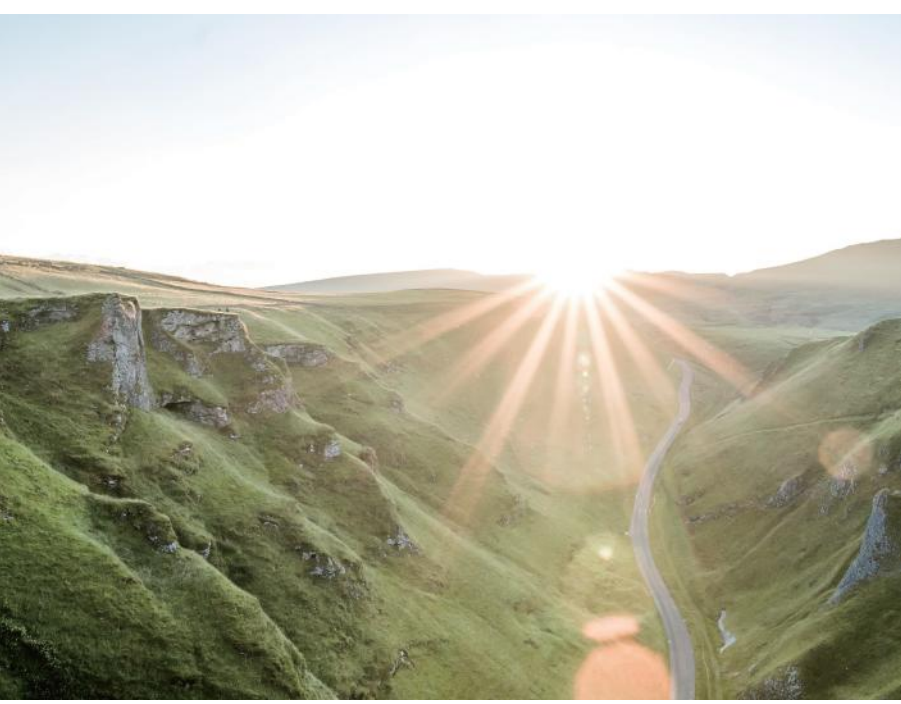
POSITIVE POWER TOLERANCE

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

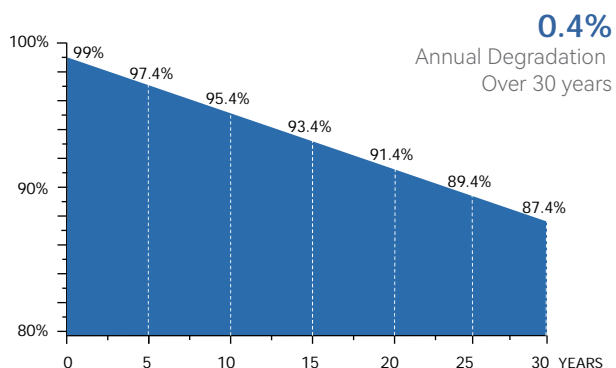
Lower LID / LETID attenuation with high reliable N-type module



Excellent temperature coefficient

Ensure high power generation in low temperature areas.

LINEAR PERFORMANCE WARRANTY

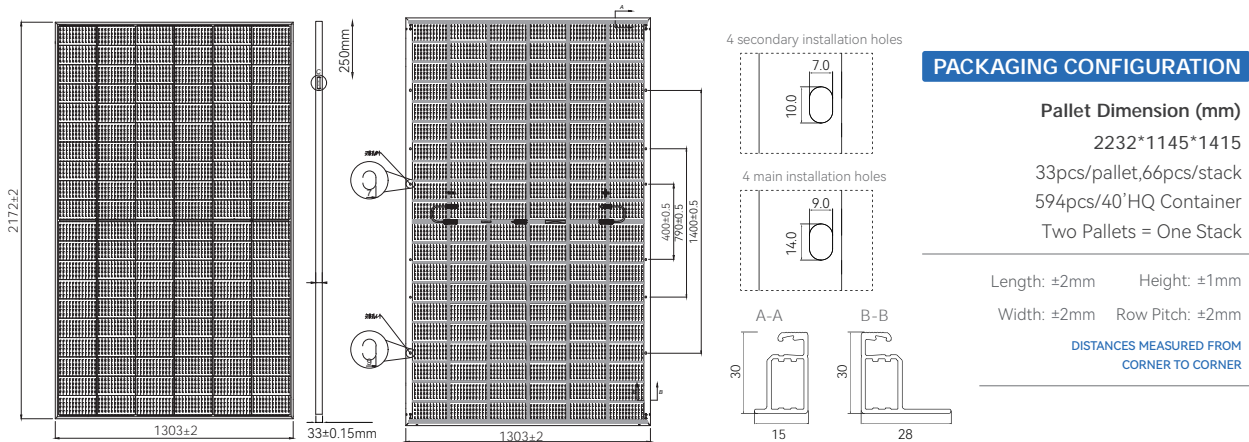


15
YEARS
Year Product Warranty

30
YEARS
Year Linear Power Warranty



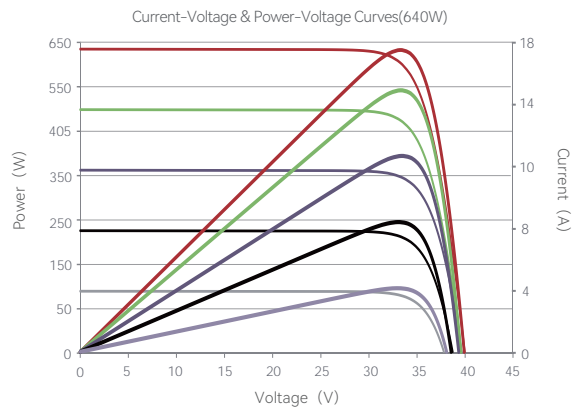
ASSEMBLY DRAWING



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	120 (6x20)
Dimensions	2172x1303x33mm
Weight	35.3kg
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-N60MHC625		EM-N60MHC630		EM-N60MHC635		EM-N60MHC640		EM-N60MHC645	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	625Wp	473Wp	630Wp	477Wp	635Wp	481Wp	640Wp	485Wp	645Wp	489Wp
Maximum Power Voltage (Vmp)	37.86V	36.06V	38.03V	36.22V	38.19V	36.37V	38.35V	36.52V	38.51V	36.68V
Maximum Power Current (Imp)	16.51A	13.21A	16.57A	13.25A	16.63A	13.30A	16.69A	13.35A	16.75A	13.4A
Open-circuit Voltage (Voc)	45.13V	42.58V	45.30V	42.74V	45.48V	42.91V	45.65V	43.07V	45.82V	43.23V
Short-circuit Current (Isc)	17.31A	13.96A	17.37A	14.01A	17.43A	14.06A	17.49A	14.1A	17.55A	14.15A
Module Efficiency STC (%)	22.08%		22.26%		22.44%		22.61%		22.79%	
Operating temperature(°C)	-40°C--+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	35A									
Power tolerance	0~+5W									
Temperature coefficients of Pmax	-0.24%/°C									
Temperature coefficients of Voc	-0.24%/°C									
Temperature coefficients of Isc	0.04%/°C									
Nominal operating cell temperature (NOCT)	44°C±2°C									
Refer. Bifacial Factor	70±5%									

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