

NENM620T

620Watt

N-type Bifacial Double Glass
High Efficiency Mono Module

IEC 61215, IEC 61730

ISO 9001: 2023 Quality management systems

ISO 14001: 2023 Environmental management systems

ISO 45001: 2023 Occupational health and safety management systems



Anti -PID



Fire-proof level A



Excellent weak light power generation performance



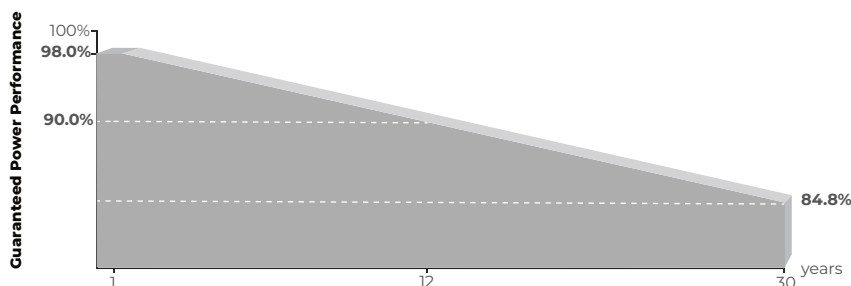
MBB Super Multi Main Grid Technology Half Cell Process



100% inspection 30 year guarantee system operation



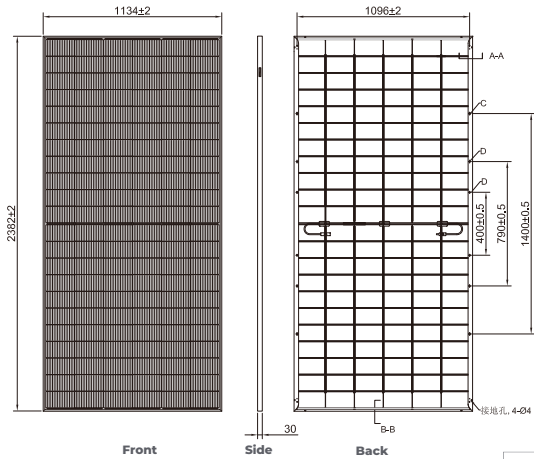
LINEAR PERFORMANCE WARRANTY



12 Year Product Warranty

30 Year Linear Power Warranty

Engineering Drawings



For detailed sizes and tolerance specification, please consult detailed module drawing

Length: ±2mm
Width: ±2mm
Height: ±1mm

Mechanical Characteristics

Cell Type	TOPCon, 182*105mm
No. of cells	132 pcs(6*22)
Dimensions	2382±2*1134±2*30 mm
Weight	32.5kg
Glass	2.0*2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Output Cables	MC4/MC4 compatible

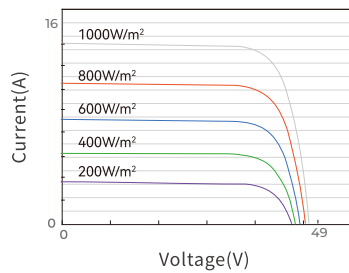
Packaging Configuration

40'HQ

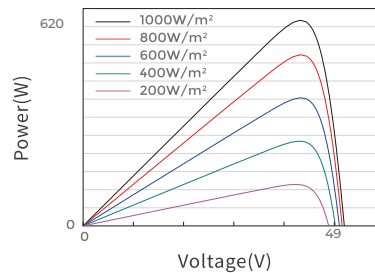
36pcs/pallets, 720pcs/ cabinet

Electrical Performance & Temperature Dependence

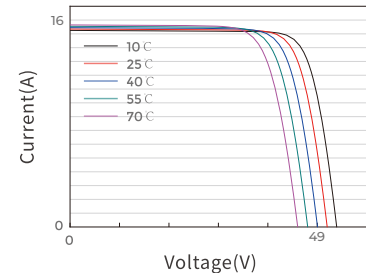
Current-Voltage & Power-Voltage Curves(620W)



Distances measured from corner to corner



Temperature Dependence of Isc, Voc, Pmax



SPECIFICATIONS

Module Type	NENM-620M
	STC
Maximum Power (Pmax)	620W
Maximum Power Voltage (Vmp)	40.82V
Maximum Power Current (Imp)	15.19A
Open-circuit Voltage (Voc)	48.10V
Short-circuit Current (Isc)	16.06A
Module Efficiency STC (%)	23%
Operating Temperature(°C)	-40~+85
Maximum system voltage	1500V DC
Maximum series fuse rating	30A
Power tolerance	0~+3%
Temperature coefficients of Pmax	-0.28%/°C
Temperature coefficients of Voc	-0.24%/°C
Temperature coefficients of Isc	+0.046%/°C
Nominal operating cell temperature (NOCT)	45°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