

EM-N54MB 345-355

ETERNAL ENERGY

Multi-color Optional and Customizable



Claret violet



Ochre brown



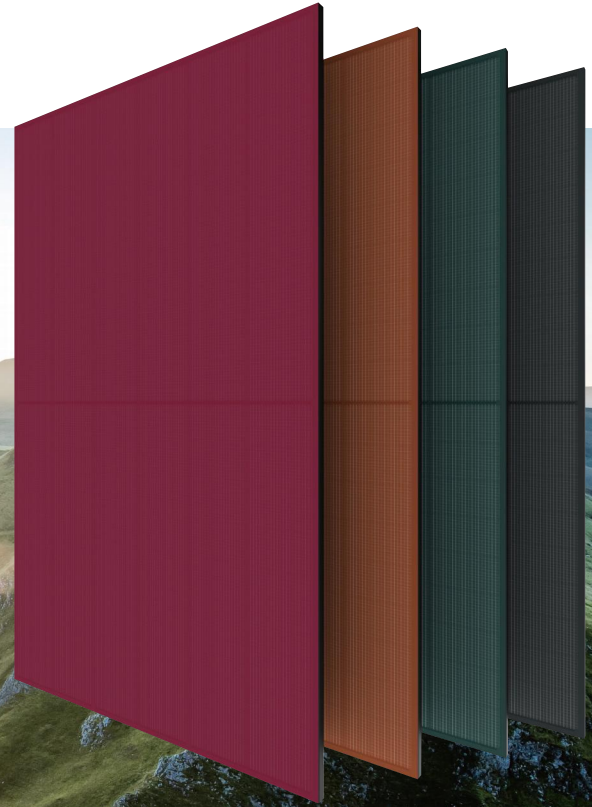
Mint green



Anthracite grey



Color can be customized



MONO-FACIAL MODULE

TOPConMBB HALF-CUT CELLS

Positive power tolerance of 0~+3%

POSITIVE POWER TOLERANCE

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018: Occupational health and safety management systems

KEY FEATURES



SMBB technology

Better light trapping and current collection to improve module power output and reliability



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and PID Resistance materials control



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance



Hot 2.0 Technology

The P-type module with Hot 2.0 technology has better reliability and lower LID/LETID



Enhanced Mechanical Load

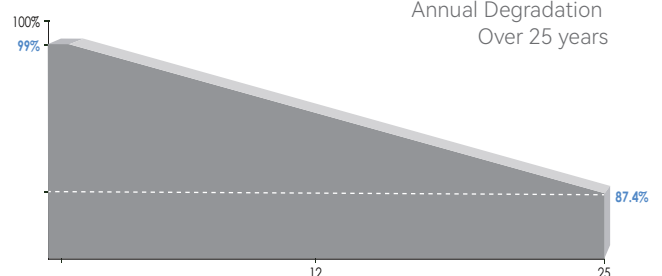
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal)



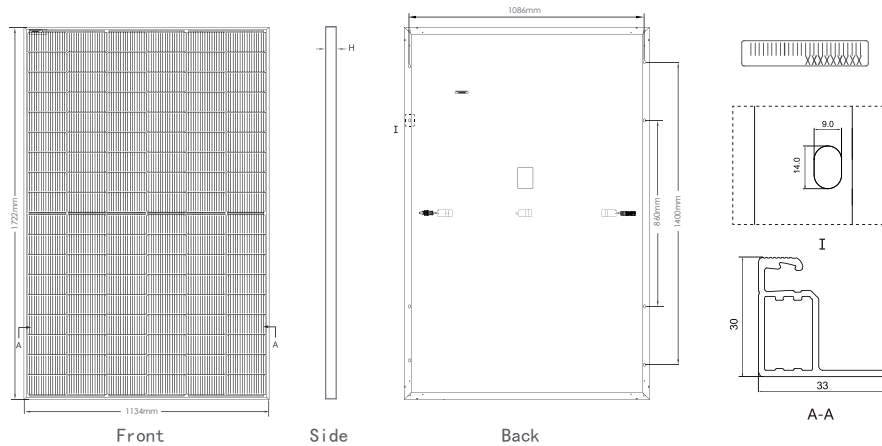
LINEAR PERFORMANCE WARRANTY

0.4%

Annual Degradation
Over 25 years



ENGINEERING DRAWINGS



PACKAGING CONFIGURATION

Pallet Dimension (mm)

1750*1120*1249

36pcs/pallet, 72pcs/stack

936pcs/40'HQ Container

Two Pallets = One Stack

Length: ±2mm Height: ±1mm

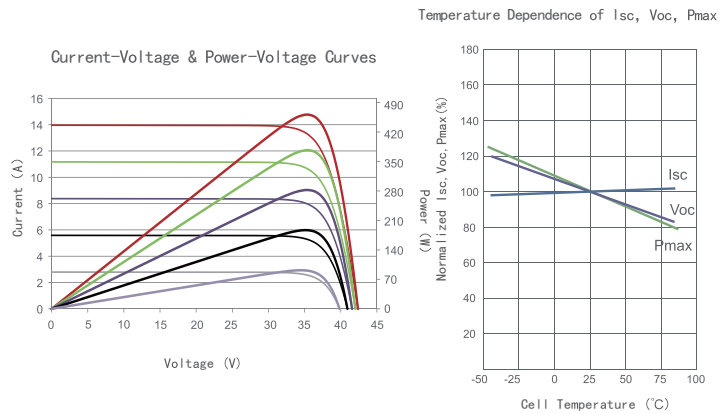
Width: ±2mm Row Pitch: ±2mm

DISTANCES MEASURED FROM
CORNER TO CORNER

Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	108 (2×54)
Dimensions	1722×1134×30mm
Weight	22kg
Front Glass	3.2 mm Anti-Reflection Coating High Transmission, Low Iron, Tempered Glass
Back Glass	2.0mm, Glazed glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TÜV 1×4.0mm ² (+): 300mm, (-): 200mm or Customized Length

Electrical Performance & Temperature Dependence



MODULE TYPE

EM-N54MB345

EM-N54MB350

EM-N54MB355

	STC	STC	STC
Maximum Power (P_{max})	345Wp	350Wp	355Wp
Maximum Power Voltage (V_{mp})	30.59V	30.71V	30.83V
Maximum Power Current (I_{mp})	11.12A	11.24A	11.36A
Open-circuit Voltage (V_{oc})	36.85V	37.1V	37.24V
Short-circuit Current (I_{sc})	11.59A	11.71A	11.83A
Module Efficiency STC (%)	17.41%	17.66%	17.92%
Operating temperature(°C)		-40°C~+85°C	
Maximum system voltage		1000/1500VDC (IEC)	
Maximum series fuse rating		25A	
Power tolerance		0~+3W	
Temperature coefficients of P_{max}		-0.29%/°C	
Temperature coefficients of V_{oc}		-0.25%/°C	
Temperature coefficients of I_{sc}		0.045%/°C	
Nominal operating cell temperature (NOCT)		45°C±2°C	

STC : Irradiance : 1000W/m² Cell Temperature : 25°C AM=1.5NOCT : Irradiance : 1000W/m² Ambient Temperature : 20°C AM=1.5 Wind Speed 1m/s