

EM-P72M 535-555

**BIFACIAL MODULE WITH
DUALGLASS**

P-TYPE

0~+5W

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

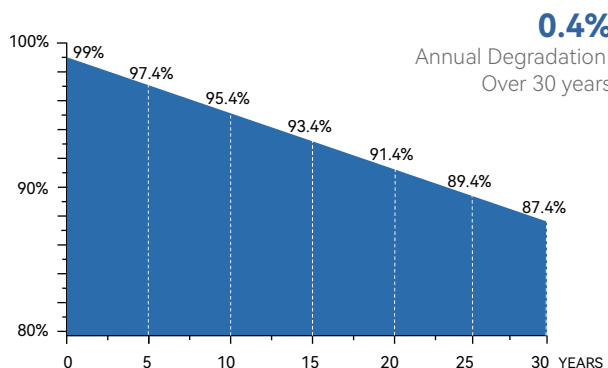
Lower LID / LETID attenuation with high reliable N-type module



Excellent temperature coefficient

Ensure high power generation in low temperature areas.

LINEAR PERFORMANCE WARRANTY



15
YEARS

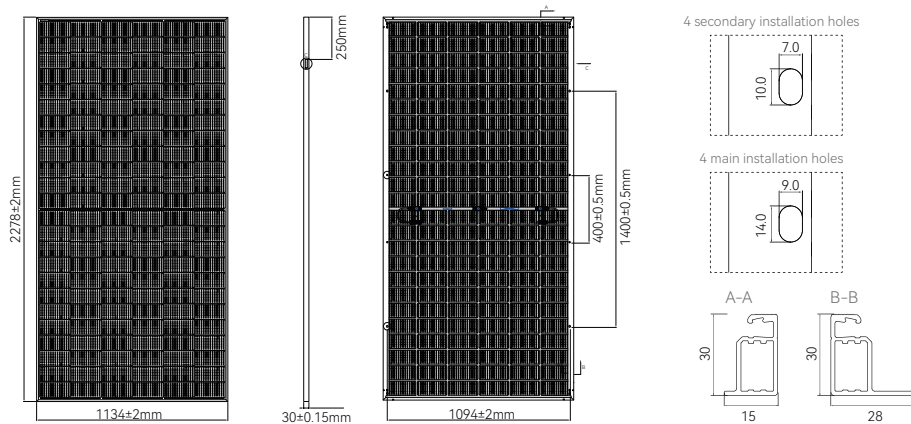
Year Product Warranty

30
YEARS

Year Linear Power Warranty



ASSEMBLY DRAWING



PACKAGING CONFIGURATION

Pallet Dimension (mm)

2300*1120*1249

36pcs/pallet, 72pcs/stack

720pcs/40'HQ Container

Two Pallets = One Stack

Length: ±2mm Height: ±1mm

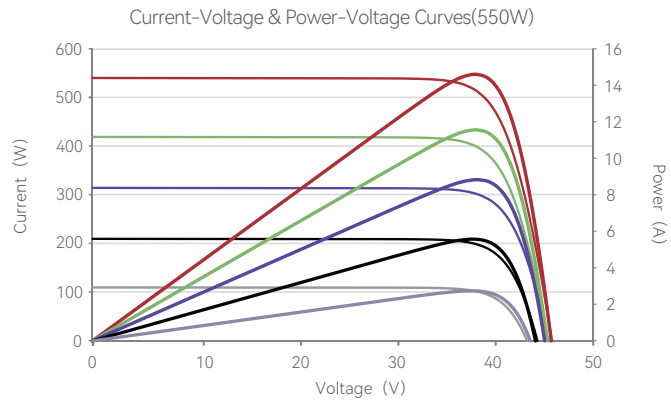
Width: ±2mm Row Pitch: ±2mm

DISTANCES MEASURED FROM CORNER TO CORNER

Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2278×1134×30mm
Weight	32.3kg
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-P72M535		EM-P72M540		EM-P72M545		EM-P72M550		EM-P72M555	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	535Wp	405Wp	540Wp	409Wp	545Wp	413Wp	550Wp	417Wp	555Wp	420Wp
Maximum Power Voltage (Vmp)	41.6V	39.62V	41.8V	39.81V	42.0V	40.0V	42.2V	40.19V	42.4V	40.38V
Maximum Power Current (Imp)	12.86A	10.29A	12.92A	10.34A	12.98A	10.38A	13.04A	10.43A	13.1A	10.48A
Open-circuit Voltage (Voc)	49.4V	46.6V	49.5V	46.7V	49.6V	46.79V	49.7V	46.89V	49.8V	46.98V
Short-circuit Current (Isc)	13.79A	11.12A	13.86A	11.18A	13.93A	11.23A	14.0A	11.29A	14.07A	11.35A
Module Efficiency STC (%)		20.71%		20.90%		21.10%		21.29%		21.48%
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	-0.35%/°C									
Temperature coefficients of Voc	-0.31%/°C									
Temperature coefficients of Isc	0.05%/°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