

Nexa Plus

MEPV 144 cells — Eurener PV Module

› **570/575/580Wp**



N-type cell

Higher resistance to LID and LeTID



TOPCon

Technology to increase cell efficiency



SuperMBB

Reduced resistance losses and improved current collection



Better temperature coefficient

Minimized thermal losses, improved efficiency



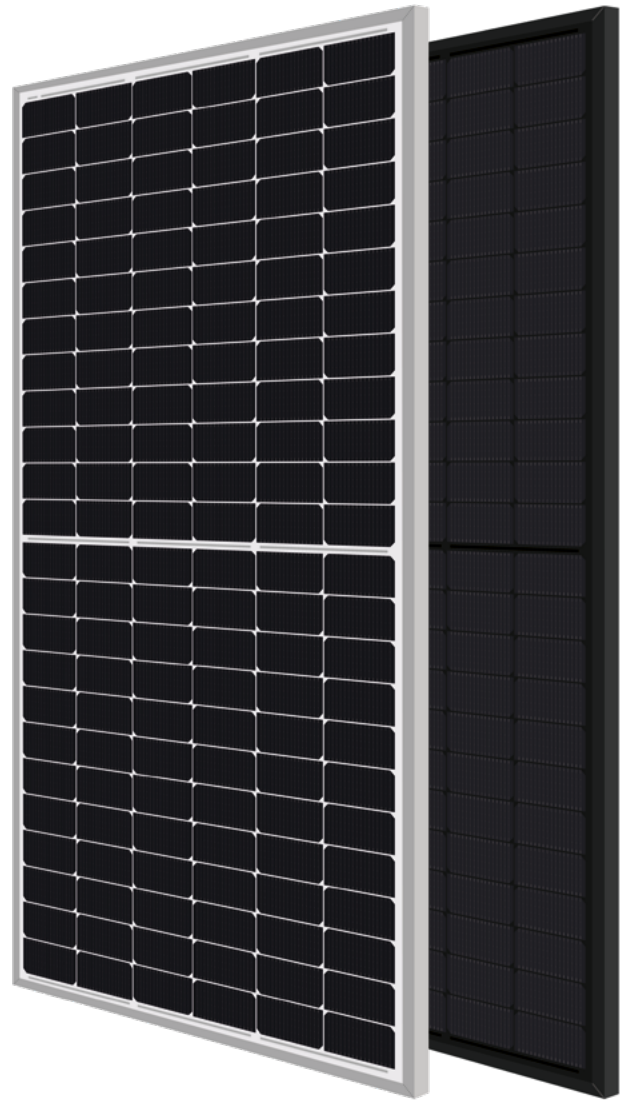
Increased PV surface

Higher power output



Increased resistance

High ammonia resistance



20 Years

Product Warranty

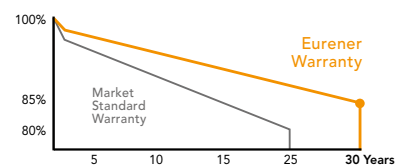
+5 years for Premium Partners

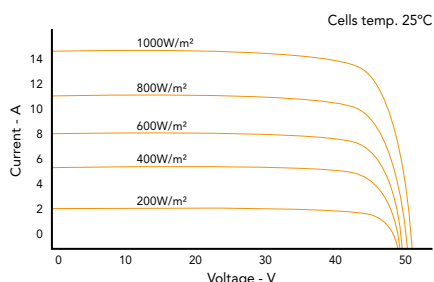
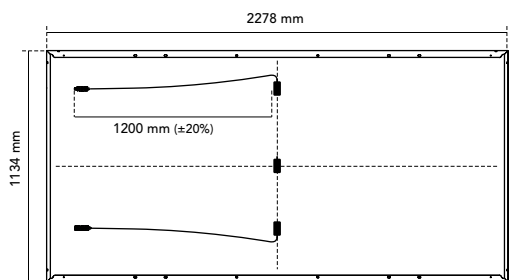
30 Years

Performance Warranty

Linear Warranty

85% performance at 30 years





Mechanical Specification	
Solar cells	144 (6 x 24), N-Type monocrystalline silicon cells
Front Glass	3,2 mm thick tempered glass with high strength and ARC
Frame	Black/silver anodized aluminium
Junction Box	IP68, 3 by-pass diodes
Connector	Connector MC4 compatible
Cable	1200 mm (±20%) length and 4 mm ² section
Dimension	2278 x 1134 x 35 mm (±1%)
Area	2,58 m ²
Weight and packaging	28 kg, 620 pcs-truck
Temperature Coefficients	
Temperature coefficient of Isc (α)	0,045 %/°C
Temperature coefficient of Voc (β)	-0,275 %/°C
Temperature coefficient of Pmax (γ)	-0,29 %/°C
Temperature range	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	45 ± 2 °C

Standard - Black	MEPV 570	MEPV 575	MEPV 580
STC: 1000 W/m², module temperature 25°C, AM 1,5			
Nominal power. Pmax	570 Wp	575 Wp	580 Wp
Module efficiency	22,03%	22,29%	22,47%
Short-circuit current (Isc)	14,27 A	14,42 A	14,49 A
Open-circuit voltage (Voc)	50,67 V	50,86 V	51,07 V
Maximum power current (Imp)	13,52 A	13,61 A	13,70 A
Maximum power voltage (Vmp)	42,16 V	42,25 V	42,35 V
NOCT: 800 W/m², ambient temperature 20°C, AM 1,5			
Nominal power. Pmax	429 Wp	432 Wp	436 Wp
Short-circuit current (Isc)	11,56 A	11,61 A	11,69 A
Open-circuit voltage (Voc)	48,26 V	48,28 V	48,38 V
Maximum power current (Imp)	10,88 A	10,89 A	10,99 A
Maximum power voltage (Vmp)	39,41 V	39,68 V	39,70 V
Operating parameters			
Maximum voltage	1000 - 1500 V		
Maximum series fuse rating. Ir	25 A		
Power output tolerance	0 - +3%		
Voc and Isc tolerance	±3%		
Fire rating	Class C (UL 790)		
Protection class	Class II (IEC 61140)		
Hail resistance	HW3/RG3		
Mechanical loads	Front load 5400 Pa, Back load 2400 Pa		

NOTE: Read the instruction manual of this product and follow the indications STC. Values are valid for: 1000W/m², AM 1,5 and cells temperature of 25°C. Measurement tolerance +/-3% (AAA Solar simulation -IEC 60.904-9-). All the information of this brochure may be amended without notice by Eurener. Eurener_MEPV 144_NEXA Plus_570-580Wp_EN_JAN2024