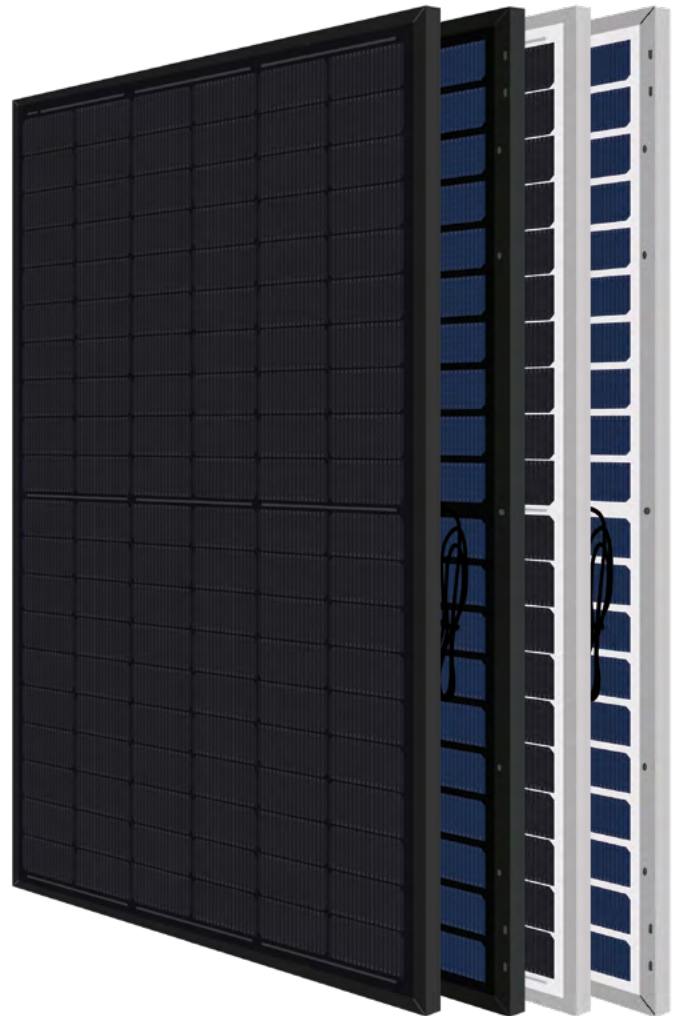


Nexa Plus 480-500W

TOPCon N-type Bifacial

› Black – Standard



Efficiency

Module efficiency up to 23.10 %



N-type cell

Higher resistance to LID and LeTID



TOPCon

Technology to increase cell efficiency



Bifacial cell

Improved energy yield



Wider irradiance range

Improved performance under dawn, sunset and cloudy skies



Sustainable product

High percentage of recyclable materials



25 Years

Product Warranty

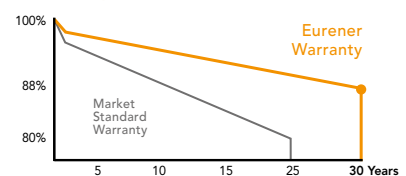
+5 years for Premium Partners

30 Years

Performance Warranty

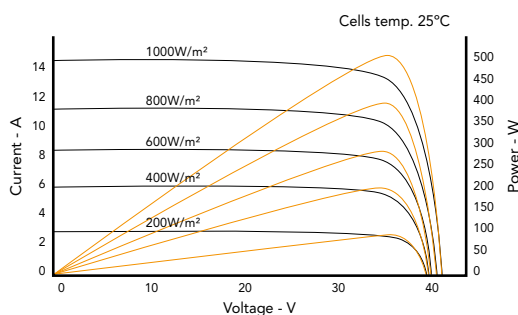
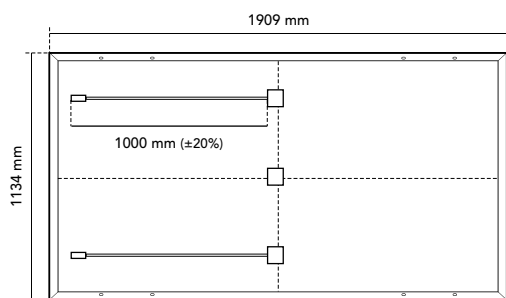
Linear Warranty

88% performance at 30 years





Eurener MEPV — NEXA Plus Bifacial 480-500W



Mechanical Specification	
Solar cells	N-Type bifacial monocrystalline silicon cells
Front Glass	2mm anti-reflective surface tempered solar glass
Back Glass	2mm tempered solar glass
Frame	Black/silver anodized aluminium
Junction Box	IP68, 3 by-pass diodes
Connector	Original MC4-Evo 2
Cable	1000 mm (±20%) length and 4 mm ² section
Dimension	1909 x 1134 x 30 mm (±1%)
Area	2,16 m ²
Weight and packaging	27 kg, 864 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

	MEPV 480	MEPV 490	MEPV 500
STC: 1000 W/m², module temperature 25°C, AM 1,5			
Nominal power. Pmax	480 Wp	490 Wp	500 Wp
Module efficiency	22,18 %	22,63 %	23,10 %
Short-circuit current (Isc)	14,34 A	14,44 A	14,52 A
Open-circuit voltage (Voc)	42,63 V	42,95 V	43,25 V
Maximum power current (Imp)	13,60 A	13,78 A	13,94 A
Maximum power voltage (Vmp)	35,31 V	35,61 V	35,88 V
NOCT: 800 W/m², ambient temperature 20°C, AM 1,5			
Nominal power. Pmax	361 Wp	369 Wp	376 Wp
Short-circuit current (Isc)	11,55 A	11,69 A	11,81 A
Open-circuit voltage (Voc)	40,57 V	41,02 V	41,43 V
Maximum power current (Imp)	10,85 A	11,01 A	11,13 A
Maximum power voltage (Vmp)	33,27 V	33,48 V	33,80 V
Electrical characteristics with 10% rear side power gain			
Nominal power. Pmax	528 Wp	539 Wp	550 Wp
Short-circuit current (Isc)	15,72 A	15,93 A	16,02 A
Open-circuit voltage (Voc)	42,71 V	43,03 V	43,31 V
Maximum power current (Imp)	14,91 A	15,11 A	15,30 A
Maximum power voltage (Vmp)	35,42 V	35,68 V	35,97 V
Operating parameters			
Maximum voltage	1500 V		
Maximum series fuse rating. Ir	25 A		
Power output tolerance	0 - +3%		
Voc and Isc tolerance	±3%		
Fire rating	Class A (UL 790)		
Protection class	Class II (IEC 61140)		
Hail resistance	Ø 25mm at 23 m/s (IEC 61215)		
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_NEXA Plus Bifacial_480-500W_EN_APR2024



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Manufacturing a better world

Since 1997 our main purpose has been to supply quality and long-lasting photovoltaic modules that allow us and future generations, to continue generating clean energy to take care of our planet.