

Monocrystalline Photovoltaic Module »



MEPV 120 Nexa TOPCon

BLACK - STANDARD »
475/480 Wp

QUALITY »



N-type cell
Higher resistance to PID and LID



TOPCon
Technology to increase cell efficiency



Bifacial cell
Generates solar energy from both sides



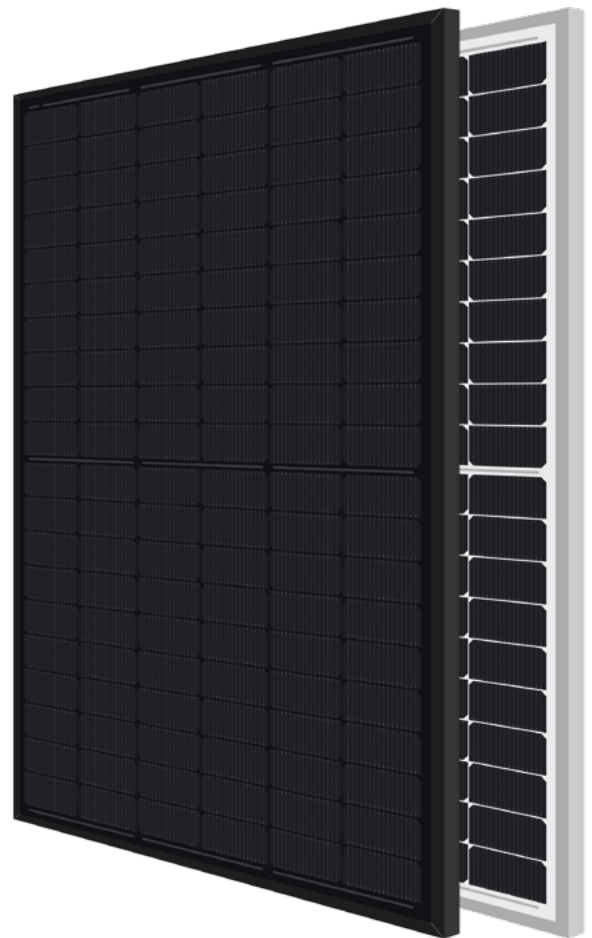
Double glass
Load endurance



Long durability
84,5% at the 30th year



Efficiency
for the 480Wp

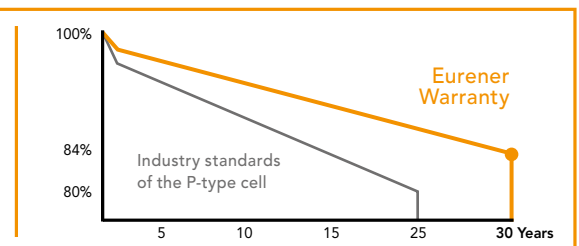


*** EUROPEAN QUALITY ***

WARRANTIES »

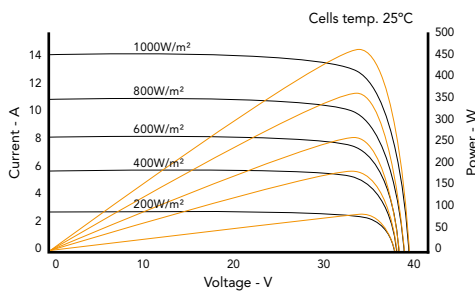
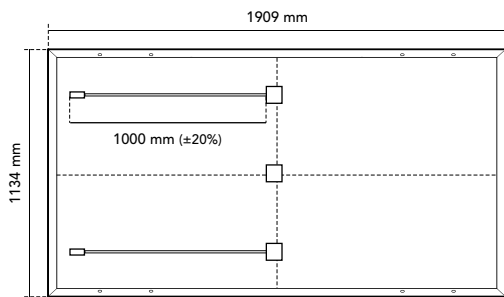
25 YEARS PRODUCT WARRANTY

30 YEARS PERFORMANCE WARRANTY
Linear Warranty



CERTIFICATES »





FRAME

Black / Silver anodized aluminium
Robust and resistant to corrosion

GLASS

Back Glass | 2 mm Solar glass
Front Glass | 2 mm Anti-reflective surface Solar glass

JUNCTION BOX

Sealed, robust and wide for heat dissipation
IP67/IP68 according to IEC 60529
Diodes by-pass built-in 3
Connector MC4
Cables 1000 mm (±20%) length and 4 mm² section

FRONTAL

Textured, extra-clear with low iron content
Frontal load (snow) 5400 Pa | Back load (wind) 2400 Pa

SOLAR CELLS

120 [2x (10x6)] N-type bifacial monocrystalline silicon cells

WEIGHT, DIMENSIONS AND PACKAGING

25,9 Kg | 1909 x 1134 x 30 mm (±1%) | Pack: 864 pcs-truck

ELECTRIC DATA »

BLACK - STANDARD	MEPV 475	MEPV 480	
STC: 1000 W/m², module temperature 25°C, AM 1,5			
Nominal power. Pmax	475 Wp	480 Wp	
Max. power tolerance. Pmax	0 / +3 W	0 / +3 W	
Area of the module	2,16 m ²		
Module efficiency	21,95 %	22,18 %	
Isc	14,24 A	14,34 A	
Voc	42,53 V	42,63 V	
Imp	13,50 A	13,60 A	
Vmp	35,2 V	35,31 V	
NOCT: 800 W/m², ambient temperature 20°C, AM 1,5			
Nominal power. Pmax	357,14 W	360,97 W	
Isc	11,49 A	11,55 A	
Voc	40,41 V	40,57 V	
Imp	10,79 A	10,85 A	
Vmp	33,10 V	33,27 V	
Operating parameters. Temperature coefficients		Electrical characteristics with 10% rear side power gain	
Maximum voltage	1000 - 1500 V	Model	MEPV 475
Maximum series fuse rating. Ir	25 A	Pmax	522,50 W
α Isc	0,044 % / °C	Isc	15,61 A
β Voc	- 0,276 % / °C	Voc	42,56 V
γ Pmax	- 0,360 % / °C	Imp	14,81 A
Temperature range	- 40°C ~ + 85 °C	Vmp	35,29 V
NOCT	45 ± 2 °C		35,41 V

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 120_Nexa TOPCon_475-480W_EN_AUG2023



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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.