

Monocrystalline Photovoltaic Module »



MEPV 108 Nexa TOPCon

BLACK - STANDARD »
420/425/430/435 Wp

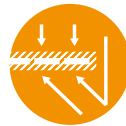
QUALITY »



N-type cell
Higher resistance to PID and LID



TOPCon
Technology to increase cell efficiency



Bifacial cell
Generates solar energy from both sides



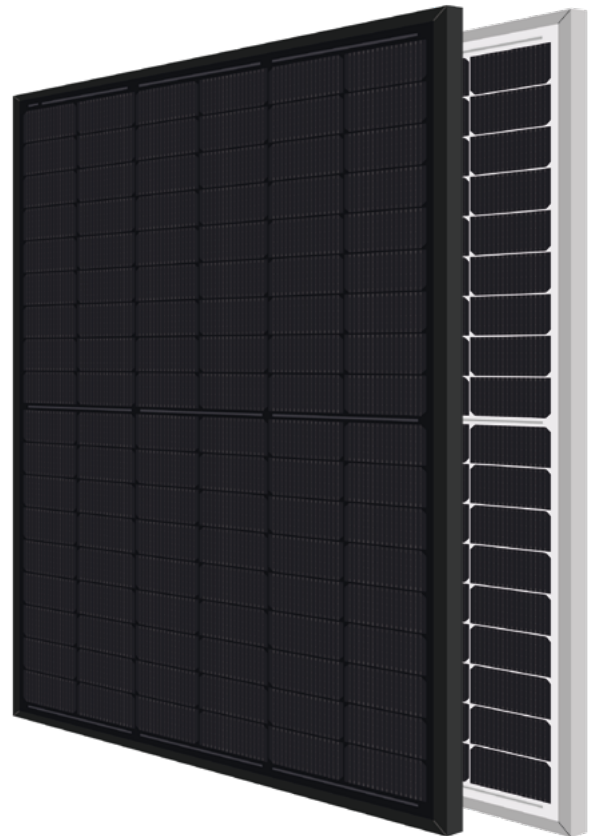
Double glass
Load endurance



Long durability
84,5% at the 30th year



Efficiency
430Wp - 435Wp

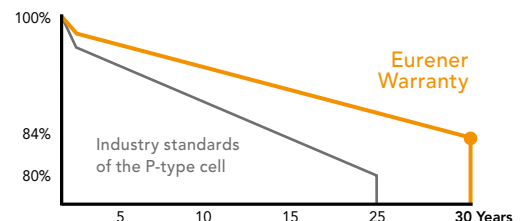


*** EUROPEAN QUALITY ***

WARRANTIES »

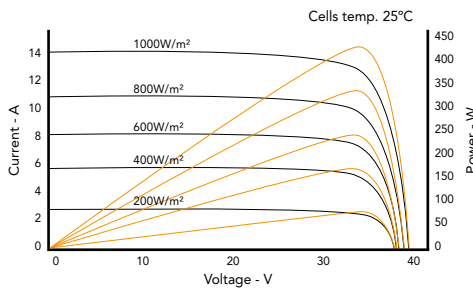
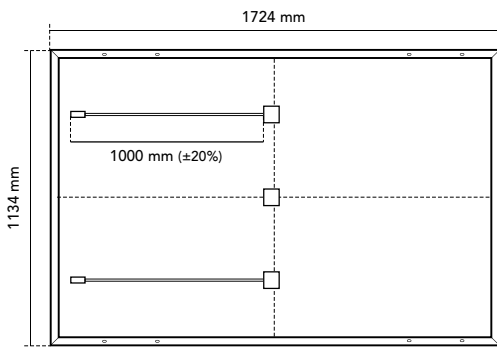
25 YEARS PRODUCT WARRANTY

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

108 [2x (9x6)] N-type bifacial monocrystalline silicon cells

WEIGHT, DIMENSIONS AND PACKAGING

23,4 Kg | 1724 x 1134 x 30 mm (±1%) | Pack: 962 pcs-truck

ELECTRIC DATA »

BLACK - STANDARD	MEPV 420	MEPV 425	MEPV 430	MEPV 435		
STC: 1000 W/m², module temperature 25°C, AM 1,5						
Nominal power. Pmax	420 Wp	425 Wp	430 Wp	435 Wp		
Max. power tolerance. Pmax	0 / +3 W	0 / +3 W	0 / +3 W	0 / +3 W		
Area of the module	1,96 m ²					
Module efficiency	21,49 %	21,75 %	22,01 %	22,26 %		
Isc	14,08 A	14,16 A	14,26 A	14,30 A		
Voc	38,09 V	38,28 V	38,42 V	38,70 V		
Imp	13,34 A	13,42 A	13,52 A	13,56 A		
Vmp	31,49 V	31,68 V	31,82 V	32,09 V		
NOCT: 800 W/m², ambient temperature 20°C, AM 1,5						
Nominal power. Pmax	321,64 W	325,38 W	329,33 W	333,12 W		
Isc	11,34 A	11,41 A	11,47 A	11,54 A		
Voc	36,52 V	36,70 V	36,88 V	37,06 V		
Imp	10,75 A	10,81 A	10,88 A	10,94 A		
Vmp	29,92 V	30,10 V	30,27 V	30,45 V		
Operating parameters. Temperature coefficients		Electrical characteristics with 10% rear side power gain				
Maximum voltage	1000 - 1500 V	Model	MEPV 420	MEPV 425	MEPV 430	MEPV 435
Maximum series fuse rating. Ir	25 A	Pmax	462,00 W	467,50 W	473,00 W	478,50 W
α Isc	0,044 % / °C	Isc	15,43 A	15,52 A	15,63 A	15,67 A
β Voc	- 0,276 % / °C	Voc	38,09 V	38,31 V	38,49 V	38,85 V
γ Pmax	- 0,360 % / °C	Imp	14,63 A	14,72 A	14,82 A	14,86 A
Temperature range	- 40°C ~ + 85 °C	Vmp	31,58 V	31,76 V	31,91 V	32,21 V
NOCT	45 ± 2 °C					

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 108_Nexa TOPCon_420-435Wp_EN_AUG2023