

Monocrystalline Photovoltaic Module »



MEPV 108 HALF-CUT ICON

BLACK - STANDARD - BICOLOUR »
400/405/410/415/420Wp

QUALITY »



MBB technology
Better light absorption



M10 Wafer
Ultra-high power



Long durability
80% at the 30th year



Fire resistance
Maximum protection



Avoid losses
Better shading tolerance



Efficiency
415Wp - 420Wp



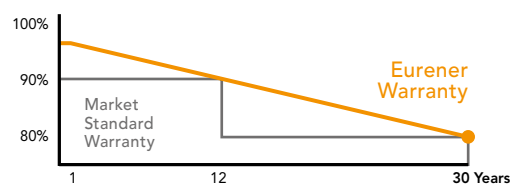
1997 to 2022
25TH
ANNIVERSARY

*** EUROPEAN QUALITY ***

WARRANTIES »

15 YEARS PRODUCT WARRANTY
+5 years for Premium Partners

30 YEARS PERFORMANCE WARRANTY
Linear Warranty



CERTIFICATES »



TECHNICAL FEATURES »

Eurener_MEPV 108_HALF-CUT ICON_400-420Wp_2022EN

FRAME

Black / Silver anodized aluminium

Robust and resistant to corrosion

CONNECTION BOX AND PROTECTIONS

Sealed, robust and wide for heat dissipation

IP67/IP68 according to IEC 60529

Diodes by-pass built-in (3/6)

Connector MC4 compatible

Application Class A. Safety Class II

Cables 1000 mm ($\pm 20\%$) length and 4 mm² section

FRONTAL

3,2 mm thick tempered glass with high strength and ARC

Textured, extra-clear with low iron content

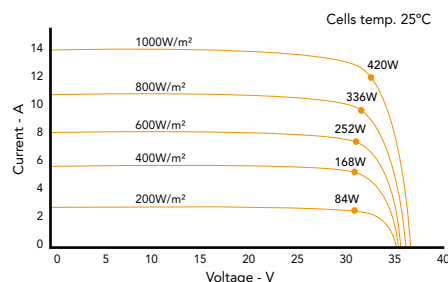
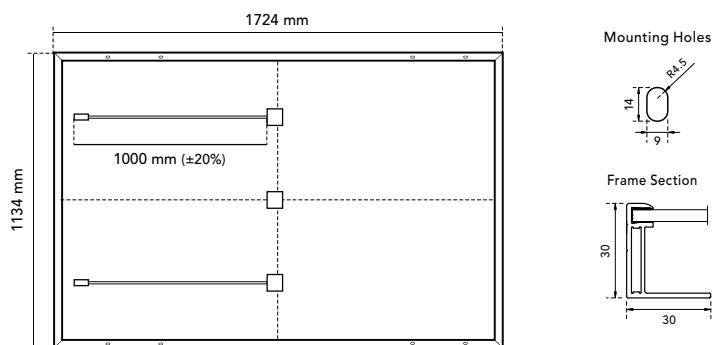
Frontal load (snow) 5400 Pa | Back load (wind) 2400 Pa

SOLAR CELLS

108 [2x (9x6)] cells monocrystalline silicon

WEIGHT AND DIMENSIONS

21,5 Kg | 1724 x 1134 x 30 mm ($\pm 1\%$) | Pack: 962/936 pcs-truck



ELECTRIC DATA »

BLACK - STANDARD - BICOLOUR	MEPV 400	MEPV 405	MEPV 410	MEPV 415	MEPV 420
STC: 1000 W/m ² , module temperature 25°C, AM 1,5					
Nominal power. P _{max}	400 W _p	405 W _p	410 W _p	415 W _p	420 W _p
Max. power tolerance. P _{max}	0 / +5 W	0 / +5 W	0 / +5 W	0 / +5 W	0 / +5 W
Area of the module	1,96 m ²				
Module efficiency	20,46 %	20,72 %	20,97 %	21,23 %	21,48 %
I _{sc}	13,79 A	13,87 A	13,95 A	14,02 A	14,10 A
V _{oc}	37,07 V	37,23 V	37,32 V	37,45 V	37,57 V
I _{mp}	12,90 A	12,98 A	13,04 A	13,13 A	13,21 A
V _{mp}	31,01 V	31,21 V	31,45 V	31,61 V	31,81 V
NOCT: 800 W/m ² , ambient temperature 20°C, AM 1,5					
Nominal power. P _{max}	301,96 W	305,90 W	309,98 W	313,85 W	318,35 W
I _{sc}	11,03 A	11,10 A	11,16 A	11,22 A	11,30 A
V _{oc}	34,88 V	35,12 V	35,23 V	35,37 V	35,54 V
I _{mp}	10,32 A	10,38 A	10,43 A	10,50 A	10,56 A
V _{mp}	29,26 V	29,47 V	29,72 V	29,89 V	30,15 V
Operating parameters. Temperature coefficients					
Maximum voltage	1000 - 1500 V				
Maximum series fuse rating. I _r	25 A				
α I _{sc}	0,045 % / °C				
β V _{oc}	- 0,275 % / °C				
γ P _{max}	- 0,35 % / °C				
Temperature range	- 40°C ~ + 85 °C				
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_HALF-CUT ICON_400-420Wp_EN_SEP2022

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25 years 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.