

Monocrystalline Photovoltaic Module »



MEPV 144 HALF-CUT PLUS

BLACK - STANDARD - BICOLOUR »
450 / 460 Wp

QUALITY »



MBB technology
Better light absorption



Reduced BOS
Cost effective product



+5W
Positive power tolerance



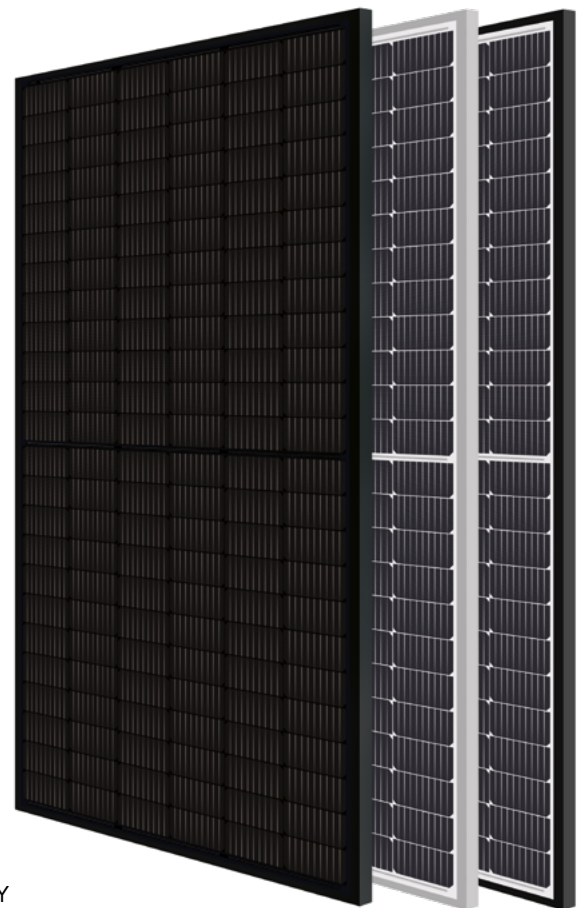
Fire resistance
Maximum protection



Avoid losses
Better shading tolerance



Efficiency
Over 20% efficiency



WARRANTIES »

15 YEARS PRODUCT WARRANTY

25 YEARS PERFORMANCE WARRANTY
Linear Warranty

PRODUCT WARRANTY
for Premium Partners

+5
YEARS

CERTIFICATES »



TECHNICAL FEATURES »

Eurener_MEPV 144_HALF-CUT PLUS_450-460Wp_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

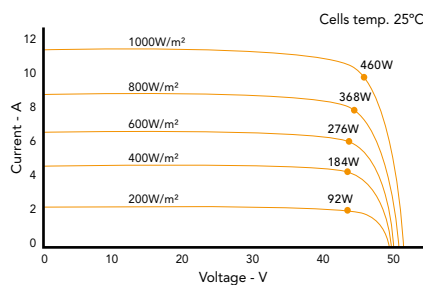
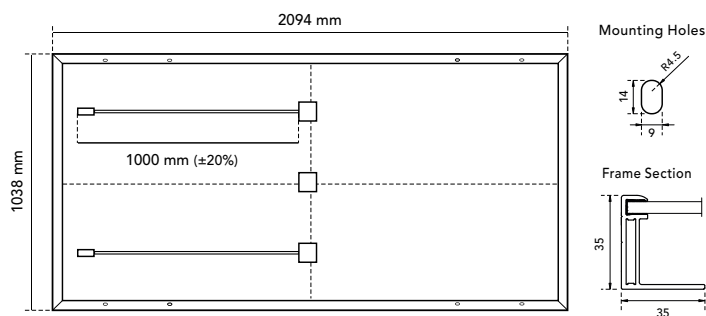
Frontal load (snow) 5400 Pa | Back load (wind) 2400 Pa

SOLAR CELLS

144 [2x(12x6)] cells monocrystalline silicon

WEIGHT, DIMENSIONS AND PACKAGING

25 Kg | 2094 x 1038 x 35 mm ($\pm 1\%$) | Pack: 726 pcs-truck



ELECTRIC DATA »

BLACK - STANDARD - BICOLOUR	MEPV 450	MEPV 460
STC: 1000 W/m ² , module temperature 25°C, AM 1,5		
Nominal power. P _{mpp}	450 Wp	460 Wp
Tolerance. P _{mpp}	0 / +5 W	0 / +5 W
Area of the module	2,17 m ²	
Module efficiency	20,72 %	21,19 %
I _{sc}	11,50 A	11,66 A
V _{oc}	49,98 V	50,38 V
I _{mpp}	10,89 A	11,03 A
V _{mpp}	41,36 V	41,76 V
NOCT: 800 W/m ² , ambient temperature 20°C, AM 1,5		
Nominal power. P _{mpp}	338,64 W	349,78 W
I _{sc}	9,26 A	9,37 A
V _{oc}	47,18 V	47,52 V
I _{mpp}	8,71 A	8,88 A
V _{mpp}	38,88 V	39,39 V
Operating parameters. Temperature coefficients		
Maximum voltage	1000 - 1500 V	
Maximum series fuse rating. I _r	20 A	
α I _{sc}	0,046 % / °C	
β V _{oc}	- 0,276 % / °C	
γ P _{max}	- 0,381 % / °C	
Temperature range	- 40°C ~ + 85°C	
NOCT	42 \pm 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 $\pm 3\%$ (AAA Solar simulation -IEC 60.904-9-). All the information of this brochure may be amended without notice by Eurener. Eurener_MEPV 144_HALF-CUT PLUS_450-460Wp_EN_JUN2022

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ANNIVERSARY

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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.