

Monocrystalline Photovoltaic Module »



MEPV 144 HALF-CUT PLUS

STANDARD » 540 / 550 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_540-550Wp_2022EN

FRAME

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

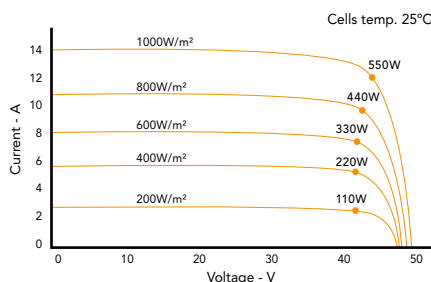
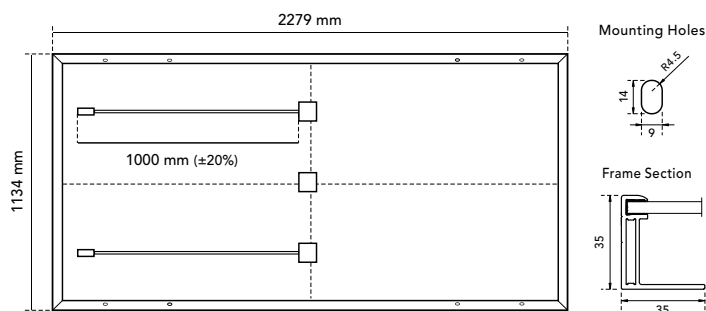
Frontal load (snow) 5.400 Pa | Back load (wind) 2.400 Pa

SOLAR CELLS

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

WEIGHT, DIMENSIONS AND PACKAGING

27,4 Kg | 2279 x 1134 x 35 mm ($\pm 1\%$) | Pack: 620 pcs-truck



ELECTRIC DATA »

STANDARD	MEPV 540	MEPV 550
STC: 1000 W/m ² , module temperature 25°C, AM 1,5		
Nominal power. P _{mpp}	540 Wp	550 Wp
Tolerance. P _{mpp}	0 / +5 W	0 / +5 W
Area of the module	2,58 m ²	
Module efficiency	20,90 %	21,30 %
I _{sc}	13,83 A	13,93 A
V _{oc}	49,43 V	49,97 V
I _{mpp}	13,00 A	13,12 A
V _{mpp}	41,54 V	41,95 V
NOCT: 800 W/m ² , ambient temperature 20°C, AM 1,5		
Nominal power. P _{mpp}	407,78 W	415,49 W
I _{sc}	11,13 A	11,22 A
V _{oc}	46,67 V	47,17 V
I _{mpp}	10,40 A	10,50 A
V _{mpp}	39,21 V	39,57 V
Operating parameters. Temperature coefficients		
Maximum voltage	1000 - 1500 V	
Maximum series fuse rating. I _r	25 A	
α I _{sc}	0,047 % / °C	
β V _{oc}	- 0,27 % / °C	
γ P _{max}	- 0,34 % / °C	
Temperature range	- 40°C ~ + 85 °C	
NOCT	44 \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_540-550Wp_EN_MAR2022

1997 to 2022
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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.