

Monocrystalline Photovoltaic Module »



MEPV 144 HALF-CUT PLUS

STANDARD » 550 Wp

QUALITY »



Optimal performance
Power and efficiency



Reduced BOS
Cost effective product



+5W
Positive power tolerance



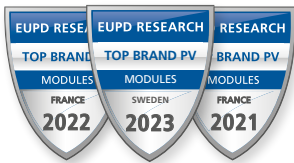
Fire resistance
Maximum protection



Avoid losses
Better shading tolerance



Efficiency
Over 21% efficiency

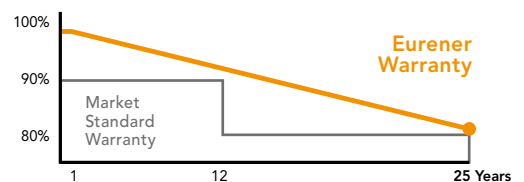


*** EUROPEAN QUALITY ***

WARRANTIES »

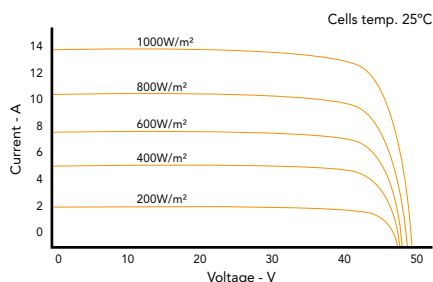
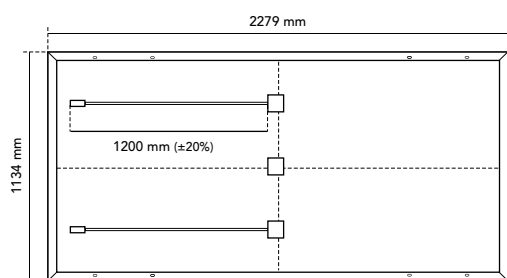
20 YEARS PRODUCT WARRANTY
+5 years for Premium Partners

25 YEARS PERFORMANCE WARRANTY
Linear Warranty



CERTIFICATES »





FRAME

Silver anodized aluminium

Robust and resistant to corrosion

JUNCTION BOX

Sealed, robust and wide for heat dissipation

IP67/IP68 according to IEC 60529

Diodes by-pass built-in 3

Connector MC4 compatible

Cables 1200 mm (±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 AND DIMENSIONS

28 Kg | 2279 x 1134 x 35 mm (±1%) | Pack: 620 pcs-truck

ELECTRIC DATA »

STANDARD	MEPV 550
STC: 1000 W/m², module temperature 25°C, AM 1,5	
Nominal power. Pmax	550 Wp
Max. power tolerance. Pmax	0 / +5 W
Area of the module	2,58 m ²
Module efficiency	21,30 %
Isc	13,93 A
Voc	49,97 V
Imp	10,60 A
Vmp	41,95 V
NOCT: 800 W/m², ambient temperature 20°C, AM 1,5	
Nominal power. Pmax	417,32 W
Isc	11,24 A
Voc	47,41 V
Imp	10,60 A
Vmp	39,39 V
Operating parameters. Temperature coefficients	
Maximum voltage	1000 - 1500 V
Maximum series fuse rating. Ir	25 A
α Isc	0,047 % / °C
β Voc	- 0,27 % / °C
γ Pmax	- 0,34 % / °C
Temperature range	- 40°C ~ + 85 °C
NOCT	44 ± 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 144_HALF-CUT PLUS_550Wp_EN_MAY2023



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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.