

Monocrystalline Photovoltaic Module »



MEPV 144 HALF-CUT

BLACK » 410Wp

QUALITY »



MBB technology
Better light absorption



Long durability
Continuous performance



Fire resistance
Maximum protection



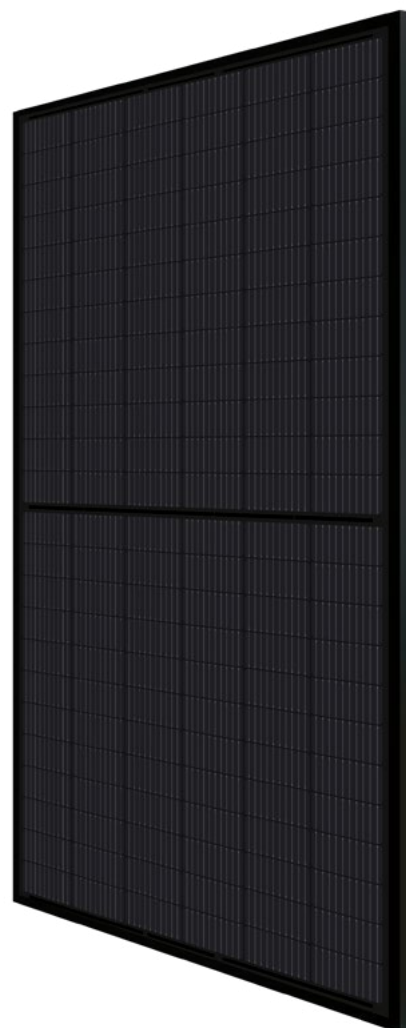
+5W
Positive power tolerance



Avoid losses
Better shading tolerance



Efficiency
Over 20% efficiency

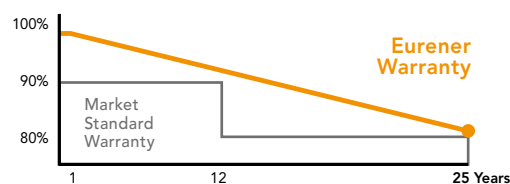


EUROPEAN QUALITY

WARRANTIES »

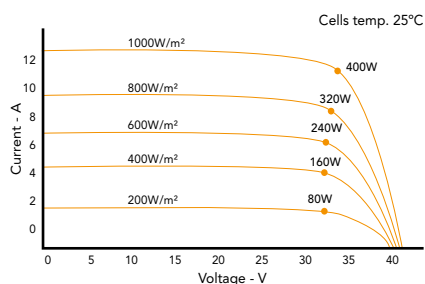
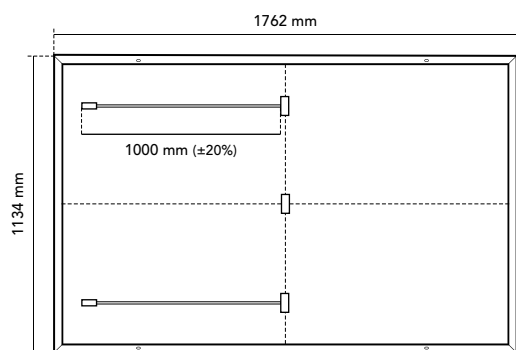
20 YEARS PRODUCT WARRANTY
+5 years for Premium Partners

25 YEARS PERFORMANCE WARRANTY
Linear Warranty



CERTIFICATES »





FRAME

Black 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 1000 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

21,8 Kg | 1762 x 1134 x 30 mm (±1%) | Pack: 936 pcs-truck

ELECTRIC DATA »

BLACK	MEPV 410
STC: 1000 W/m ² , module temperature 25°C, AM 1,5	
Nominal power. P _{max}	410 Wp
Max. power tolerance. P _{max}	0 / +5 W
Area of the module	1,998 m ²
Module efficiency	20,51 %
I _{sc}	12,40 A
V _{oc}	41,60 V
I _{mp}	11,85 A
V _{mp}	34,60 V
NOCT: 800 W/m ² , ambient temperature 20°C, AM 1,5	
Nominal power. P _{max}	310,29 W
I _{sc}	9,99 A
V _{oc}	39,10 V
I _{mp}	9,46 A
V _{mp}	32,80 V
Operating parameters. Temperature coefficients	
Maximum voltage	1500 V
Maximum series fuse rating. I _r	20 A
α I _{sc}	0,04 % / °C
β V _{oc}	- 0,25 % / °C
γ P _{max}	- 0,34 % / °C
Temperature range	- 40 °C ~ + 85 °C
NOCT	43 ± 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_410Wp_EN_JAN2023



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.