

Monocrystalline Photovoltaic Module »



# MEPV 144 HALF-CUT PLUS

BLACK » 540 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



1997 to 2022  
**25<sup>TH</sup>**  
ANNIVERSARY

\*\*\* EUROPEAN QUALITY

## 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\_540Wp\_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 mm<sup>2</sup> section

#### FRONTAL

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

Textured, extra-clear with low iron content

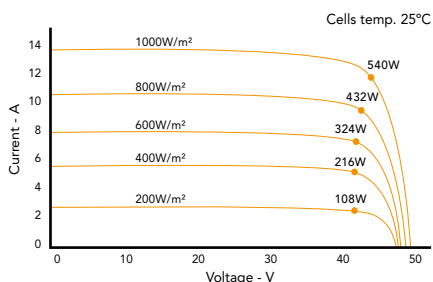
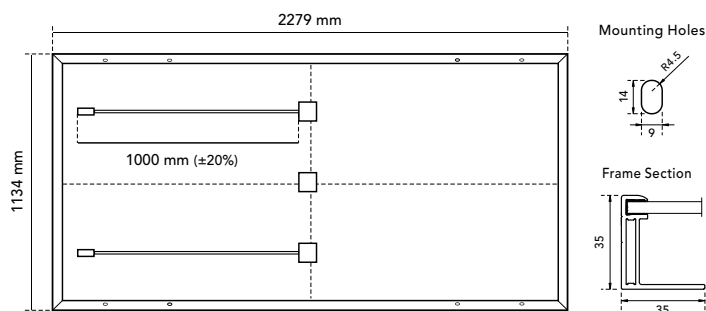
Frontal load (snow) 5400 Pa | Back load (wind) 2400 Pa

#### SOLAR CELLS

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

#### WEIGHT, DIMENSIONS AND PACKAGING

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



## ELECTRIC DATA »

BLACK	MEPV 540
STC: 1000 W/m <sup>2</sup> , module temperature 25°C, AM 1,5	
Nominal power. P <sub>mpp</sub>	540 Wp
Tolerance. P <sub>mpp</sub>	0 / +5 W
Area of the module	2,58 m <sup>2</sup>
Module efficiency	20,90 %
I <sub>sc</sub>	13,83 A
V <sub>oc</sub>	49,43 V
I <sub>mpp</sub>	13,00 A
V <sub>mpp</sub>	41,54 V
NOCT: 800 W/m <sup>2</sup> , ambient temperature 20°C, AM 1,5	
Nominal power. P <sub>mpp</sub>	407,78 W
I <sub>sc</sub>	11,13 A
V <sub>oc</sub>	46,67 V
I <sub>mpp</sub>	10,40 A
V <sub>mpp</sub>	39,21 V
Operating parameters. Temperature coefficients	
Maximum voltage	1000 - 1500 V
Maximum series fuse rating. I <sub>r</sub>	25 A
$\alpha$ I <sub>sc</sub>	0,047 % / °C
$\beta$ V <sub>oc</sub>	- 0,27 % / °C
$\gamma$ P <sub>max</sub>	- 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/m<sup>2</sup>, 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\_540Wp\_EN\_JUN2022

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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.