

Monocrystalline Photovoltaic Module »



# MEPV 144 HALF-CUT

## BLACK » 450W

### QUALITY »



**9 busbar**  
Advanced technology



**Reduced BOS**  
Cost effective product



**+5W**  
Positive power tolerance



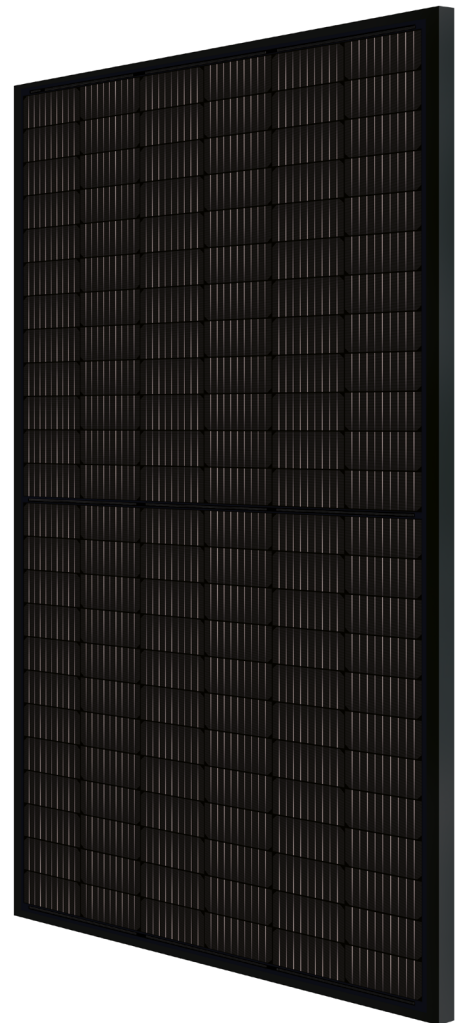
**Fire resistance**  
Maximum protection



**Avoid losses**  
Better shading tolerance



**Efficiency**  
Efficiency up to 20%



☆☆☆ EUROPEAN QUALITY

**25** YEARS  
KNOW  
HOW  
SINCE  
\* 1997

### PREMIUM PARTNER WARRANTY »

**20** YEARS PRODUCT WARRANTY

**25** YEARS PERFORMANCE WARRANTY  
Linear Warranty

### CERTIFICATES »



## TECHNICAL FEATURES »

### Eurener\_MEPV 144\_HALF-CUT\_450W\_9BB\_2021EN

#### FRAME

Black anodized aluminium 0,015 mm

Robust and resistant to corrosion

Grounding holes. (For more information please contact our sales team)

#### CONNECTION BOX

Sealed, robust and wide for heat dissipation

IP67/IP68 according to IEC 60529

Diodes by-pass built-in (3/6) - Schottky by pass

Connector MC4 or compatible

Cables 300/900 mm ( $\pm 0,1$  m) length and 4 mm<sup>2</sup> section

Fire Class I approval (UNI 9177)



#### FRONTAL

3.2 mm thick tempered glass with high strength and ARC

Textured, extra-clear with low iron content

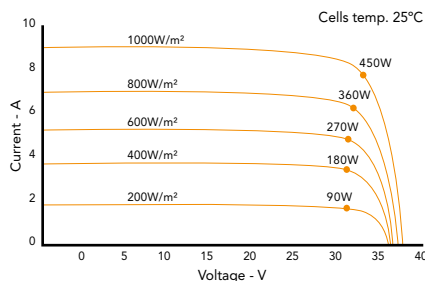
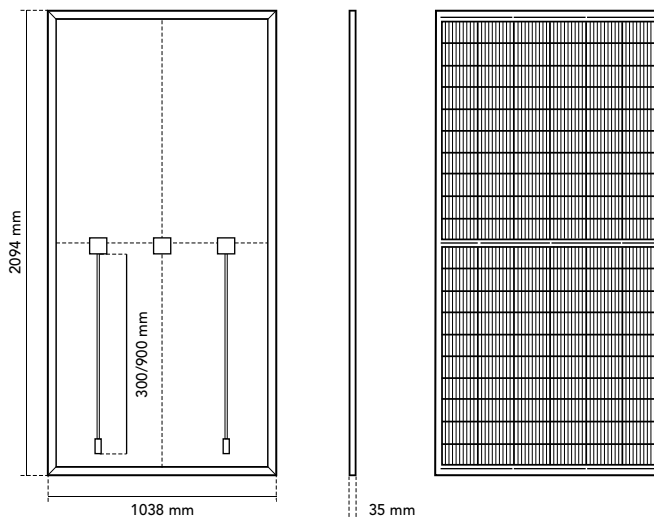
#### SOLAR CELLS

144 [2x(12x6)] cells monocrystalline silicon. Available in:

Squared cells  Cut cells 

#### WEIGHT, DIMENSIONS AND PACKAGING

25 Kg | 2094 x 1038 x 35 mm (+/-1%) | Pack: 704 pcs-truck



## ELECTRIC DATA »

BLACK	MEPV 450
Dimensions	2094 x 1038 x 35 mm
Nominal power. P <sub>mpp</sub>	450 W
Tolerance. P <sub>mpp</sub>	±1 W
Area of the module	2,17 m <sup>2</sup>
Module efficiency	20,73 %
I <sub>sc</sub>	11,60 A
V <sub>oc</sub>	49,44 V
I <sub>mpp</sub>	10,85 A
V <sub>mpp</sub>	41,47 V
Maximum voltage	1000 - 1500 V
Maximum series fuse rating. I <sub>r</sub>	20 A
α I <sub>sc</sub>	0,046 % / °C
β V <sub>oc</sub>	- 0,276 % / °C
γ P <sub>max</sub>	- 0,381 % / °C
Temperature range	- 40°C ~ + 85 °C
NOCT Nominal Operating Cell Temperature	42 ± 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 +/-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\_450W\_9BB\_EN\_MAR2021

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