

Monocrystalline Photovoltaic Module »



# MEPV 144 HALF-CUT

STANDARD - BLACK - ZEBRA »  
400 / 410 / 415 / **420 Wp**

## QUALITY »



**9 busbar**  
Advanced technology



**Proven technology**  
More reliable



**+5W**  
Positive power tolerance



**Fire resistance**  
Maximum protection



**Avoid losses**  
Better shading tolerance



**Efficiency**  
Over 20% efficiency



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

## 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\_9BB\_400-420Wp\_2021EN

#### FRAME

Black / Silver anodized aluminium

Robust and resistant to corrosion

#### CONNECTION BOX

Sealed, robust and wide for heat dissipation

IP67/IP68 according to IEC 60529

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

Connector MC4 or compatible

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

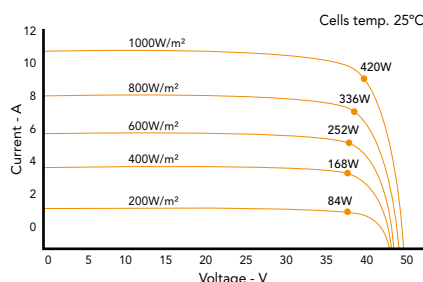
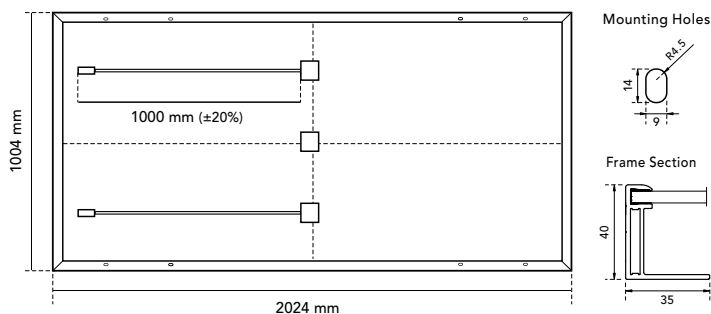
Frontal load (snow) 5.400 Pa | Back load (wind) 2.400 Pa

#### SOLAR CELLS

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

#### WEIGHT, DIMENSIONS AND PACKAGING

23 Kg | 2024 x 1004 x 40 mm ( $\pm 1\%$ ) | Pack: 638 pcs-truck



## ELECTRIC DATA »

STANDARD - BLACK - ZEBRA	MEPV 400	MEPV 410	MEPV 415	MEPV 420
STC 1000 W/m <sup>2</sup> . Module Temperature 25°C AM1,5				
Nominal power. P <sub>mpp</sub>	400 Wp	410 Wp	415 Wp	420 Wp
Tolerance. P <sub>mpp</sub>	0 / +5 W	0 / +5 W	0 / +5 W	0 / +5 W
Area of the module	2,03 m <sup>2</sup>			
Module efficiency	19,70 %	20,20 %	20,44 %	20,69 %
I <sub>sc</sub>	10,33 A	10,41 A	10,45 A	10,49 A
V <sub>oc</sub>	48,9 V	49,3 V	49,5 V	49,7 V
I <sub>mpp</sub>	9,81 A	9,91 A	9,96 A	10,01 A
V <sub>mpp</sub>	40,8 V	41,4 V	41,7 V	42,0 V
NOCT 800 W/m <sup>2</sup> Environment. Temperature 20°C AM 1,5				
Nominal power. P <sub>mpp</sub>	302 W	309 W	313 W	315,07 W
I <sub>sc</sub>	8,33 A	8,39 A	8,43 A	8,45 A
V <sub>oc</sub>	46,0 V	46,4 V	46,6 V	46,9 V
I <sub>mpp</sub>	7,89 A	7,97 A	8,01 A	8,06 A
V <sub>mpp</sub>	38,2 V	38,8 V	39,0 V	39,1 V
Operating Parameters. Temperature Coefficients				
Maximum voltage	1000 - 1500 V			
Maximum series fuse rating. I <sub>r</sub>	20 A			
α I <sub>sc</sub>	0,05 % / °C			
β V <sub>oc</sub>	- 0,29 % / °C			
γ P <sub>max</sub>	- 0,37 % / °C			
Temperature range	- 40°C ~ + 85 °C			
NOCT	41 ± 3 °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\_9BB\_400-420Wp\_EN\_SEP2021

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#### More than energy!

"More than energy" means being able to generate electricity in a clean and respectful way and to integrate photovoltaics with the least visual impact...