

Monocrystalline Photovoltaic Module »



# MEPV 144 HALF-CUT

STANDARD - BLACK - ZEBRA »  
430 / 440 / 450 / **460 W**

## QUALITY »



**9 busbar**  
Advanced technology



**Reduced BOS**  
Cost effective product



**+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

**PREMIUM WARRANTY**  
for Premium Partners

**+5**  
YEARS

## CERTIFICATES »



## TECHNICAL FEATURES »

### Eurener\_MEPV 144\_HALF-CUT\_430-460W\_9BB\_2021EN

#### FRAME

Black / Silver 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  
 Frontal load (snow) 5.400 Pa | Back load (wind) 2.400 Pa

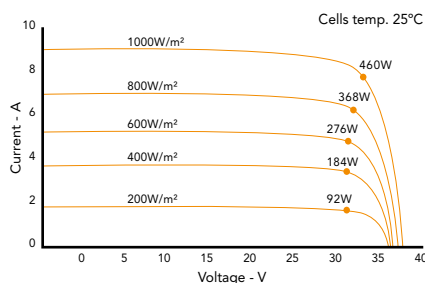
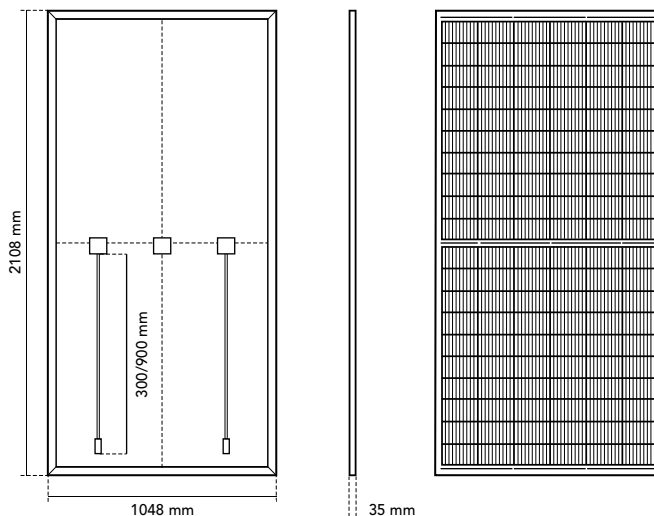
#### SOLAR CELLS

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

Squared cells  Cut cells 

#### WEIGHT, DIMENSIONS AND PACKAGING

25 Kg | 2108 x 1048 x 35 mm (+/-1%) | Pack: 682 pcs-truck



## ELECTRIC DATA »

STANDARD - BLACK - ZEBRA	MEPV 430	MEPV 440	MEPV 450	MEPV 460
Dimensions	2108 x 1048 x 35 mm	2108 x 1048 x 35 mm	2108 x 1048 x 35 mm	2108 x 1048 x 35 mm
Nominal power. Pmpp	430 W	440 W	450 W	460 W
Tolerance. Pmpp	0 / +5 W	0 / +5 W	0 / +5 W	±1 W
Area of the module	2,20 m <sup>2</sup>			
Module efficiency	19,54 %	20,00 %	20,45 %	20,82 %
Isc	11,31 A	11,46 A	11,60 A	11,75 A
Voc	48,58 V	48,98 V	49,44 V	49,85 V
Ippp	10,56 A	10,71 A	10,85 A	11,00 A
Vmpp	40,72 V	41,09 V	41,47 V	41,96 V
Maximum voltage	1.000 - 1.500 V			
Maximum series fuse rating. Ir	20 A			
α Isc	0,046 % / °C			
β Voc	- 0,276 % / °C			
γ Pmax	- 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\_430-460W\_9BB\_EN\_MAY2021

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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...