

Monocrystalline Photovoltaic Module »



MEPV 144 HALF-CUT

STANDARD - BLACK - ZEBRA »
425 / 430 / 435 / 440 / 445 / **450 W**

QUALITY »



9 busbar
Advanced technology



Reduced BOS
Cost effective product



+5W
Positive power tolerance



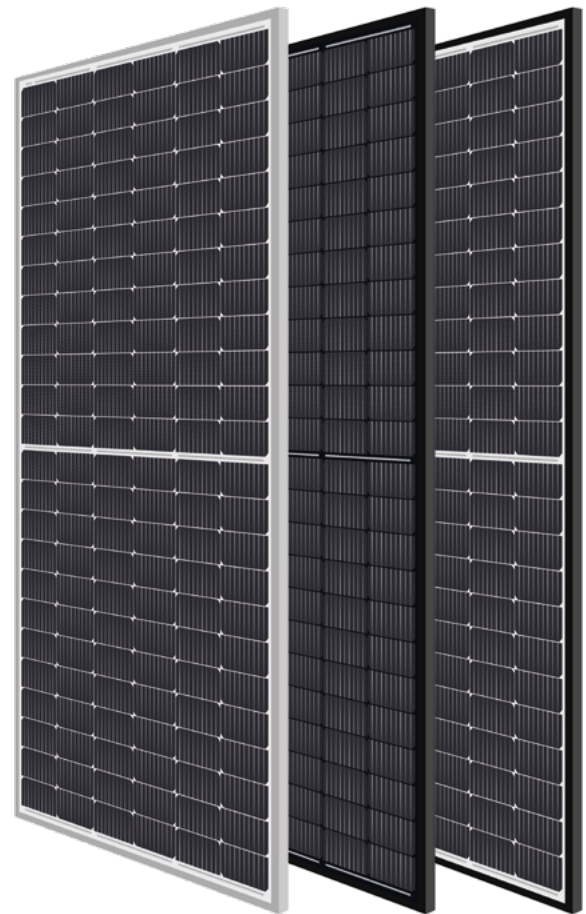
Fire resistance
Maximum protection



Avoid losses
Better shading tolerance



Efficiency
Efficiency up to 20%



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_425-450W_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 mm² 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

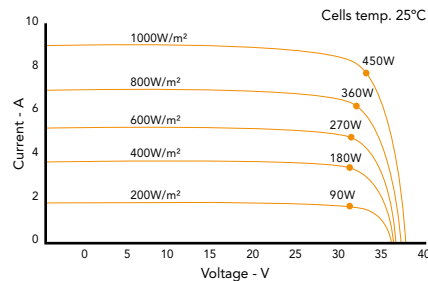
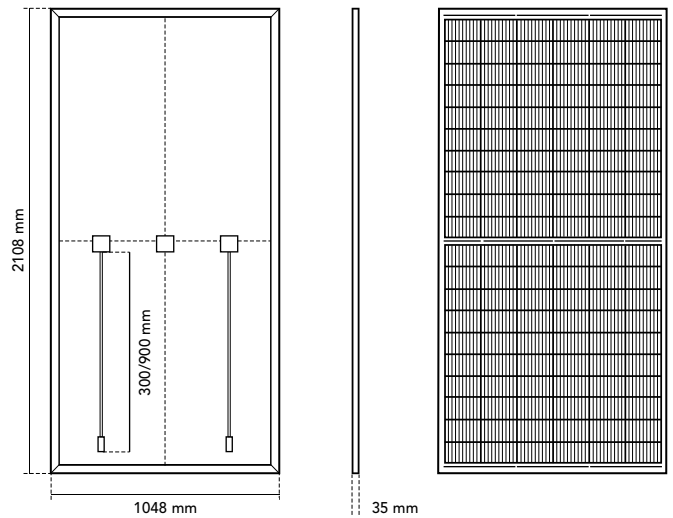
SOLAR CELLS

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

Squared cells  Cut cells 

WEIGHT, DIMENSIONS AND PACKAGING

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



ELECTRIC DATA »

STANDARD - BLACK - ZEBRA	MEPV 425	MEPV 430	MEPV 435	MEPV 440	MEPV 445	MEPV 450
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	2108 x 1048 x 35 mm	2108 x 1048 x 35 mm
Nominal power. P _{mpp}	425 W	430 W	435 W	440 W	445 W	450 W
Tolerance. P _{mpp}	0 / +5 W	0 / +5 W	0 / +5 W	0 / +5 W	0 / +5 W	±1 W
Area of the module	2,20 m ²					
Module efficiency	19,31 %	19,54 %	19,77 %	20,00 %	20,22 %	20,45 %
I _{sc}	11,23 A	11,31 A	11,39 A	11,46 A	11,53 A	11,60 A
V _{oc}	48,42 V	48,58 V	48,77 V	48,98 V	49,21 V	49,44 V
I _{mpp}	10,49 A	10,56 A	10,64 A	10,71 A	10,78 A	10,85 A
V _{mpp}	40,52 V	40,72 V	40,89 V	41,09 V	41,28 V	41,47 V
Maximum voltage	1000 - 1500 V					
Maximum series fuse rating. I _r	20 A					
α I _{sc}	0,046 % / °C					
β V _{oc}	- 0,276 % / °C					
γ P _{max}	- 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/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_425-450W_9BB_EN_MAR2021

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More than energy!

Because "more than energy" is to be able to generate electricity in a clean and respectful way and to be able to integrate the photovoltaic with the least visual impact...