

Monocrystalline Photovoltaic Module »



MEPV 144 HALF-CUT

STANDARD - BLACK - ZEBRA »
400 / 410 / 415 / **420 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_400-420W_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
 Frontal load (snow) 5.400 Pa | Back load (wind) 2.400 Pa

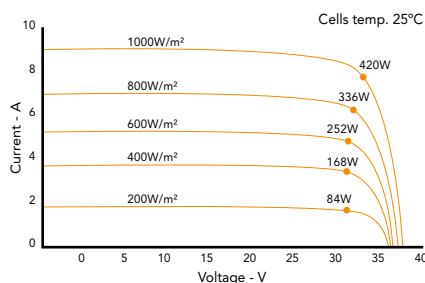
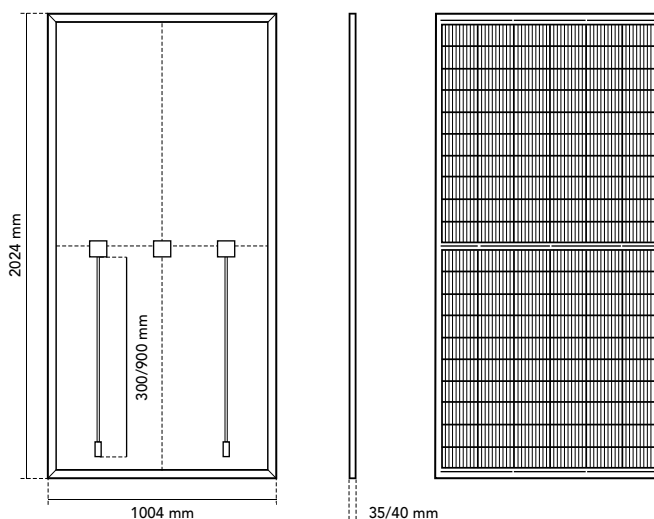
SOLAR CELLS

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

Squared cells  Cut cells 

WEIGHT, DIMENSIONS AND PACKAGING

23 Kg | 2024 x 1004 x 35/40 mm (+/-1%) | Pack: 594/638 pcs-truck



ELECTRIC DATA »

STANDARD - BLACK - ZEBRA	MEPV 400	MEPV 410	MEPV 415	MEPV 420
Dimensions	2024 x 1004 x 35/40 mm	2024 x 1004 x 35/40 mm	2024 x 1004 x 35/40 mm	2024 x 1004 x 35/40 mm
Nominal power. Pmpp	400 W	410 W	415 W	420 W
Tolerance. Pmpp	0 / +5 W	0 / +5 W	0 / +5 W	±1 W
Area of the module	2,03 m ²			
Module efficiency	19,70 %	20,20 %	20,44 %	20,69 %
Isc	10,32 A	10,40 A	10,44 A	10,49 A
Voc	49,0 V	49,4 V	49,6 V	49,7 V
Ipp	9,81 A	9,91 A	9,96 A	10,01 A
Vmpp	40,8 V	41,4 V	41,7 V	42,0 V
Maximum voltage	1.000 - 1.500 V			
Maximum series fuse rating. Ir	20 A			
α Isc	0,05 % / °C			
β Voc	- 0,29 % / °C			
γ Pmax	- 0,37 % / °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_400-420W_9BB_EN_APR2021

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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...