

Monocrystalline Photovoltaic Module »



MEPV 144 HALF-CUT

STANDARD - BLACK »
390 / 400 / 410 / **415 W**

QUALITY »



144 cells
Half-Cut monocrystalline



Reduced BOS
Cost effective product



Staubli MC4
Upon request



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_390-415W_5BB_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

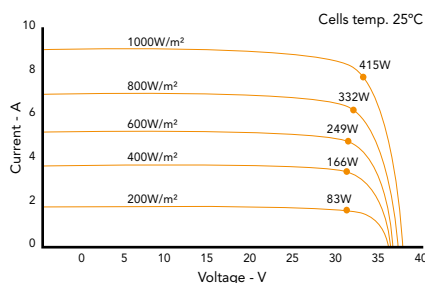
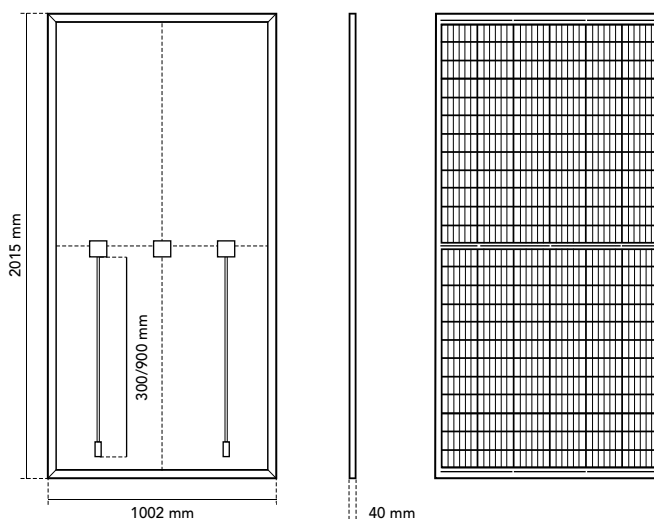
SOLAR CELLS

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

Squared cells  Cut cells 

WEIGHT, DIMENSIONS AND PACKAGING

22,5 Kg | 2015 x 1002 x 40 mm (+/-1%) | Pack: 638 pcs-truck



ELECTRIC DATA »

STANDARD - BLACK	MEPV 390	MEPV 400	MEPV 410	MEPV 415
Dimensions	2015 x 1002 x 40 mm	2015 x 1002 x 40 mm	2015 x 1002 x 40 mm	2015 x 1002 x 40 mm
Nominal power. P _{mpp}	390 W	400 W	410 W	415 W
Tolerance. P _{mpp}	0 / +5 W	0 / +5 W	0 / +5 W	±1 W
Area of the module	2,02 m ²			
Module efficiency	19,30 %	19,80 %	20,30 %	20,54 %
I _{sc}	10,24 A	10,32 A	10,40 A	10,44 A
V _{oc}	48,6 V	49,0 V	49,4 V	49,6 V
I _{mpp}	9,71 A	9,81 A	9,91 A	9,96 A
V _{mpp}	40,2 V	40,8 V	41,4 V	41,7 V
Maximum voltage	1.000 - 1.500 V			
Maximum series fuse rating. I _r	15 A			
α I _{sc}	0,055 % / °C			
β V _{oc}	- 0,32 % / °C			
γ P _{max}	- 0,39 % / °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_390-415W_5BB_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...