

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 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

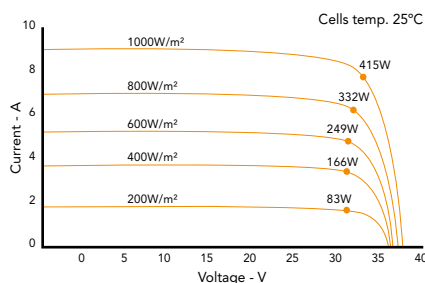
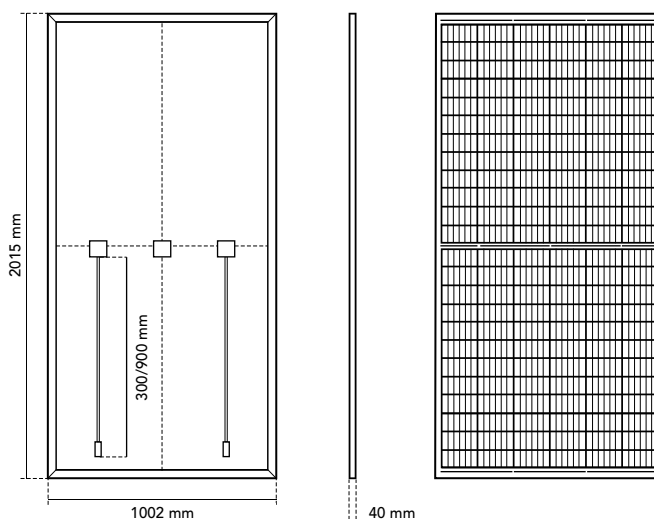
#### SOLAR CELLS

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

Squared cells  Cut cells 

#### WEIGHT, DIMENSIONS AND PACKAGING

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. Pmpp	390 W	400 W	410 W	415 W
Tolerance. Pmpp	0 / +5 W	0 / +5 W	0 / +5 W	±1 W
Area of the module	2,02 m <sup>2</sup>			
Module efficiency	19,30 %	19,80 %	20,30 %	20,54 %
Isc	10,24 A	10,32 A	10,40 A	10,44 A
Voc	48,6 V	49,0 V	49,4 V	49,6 V
Ipp	9,71 A	9,81 A	9,91 A	9,96 A
Vmpp	40,2 V	40,8 V	41,4 V	41,7 V
Maximum voltage	1.000 - 1.500 V			
Maximum series fuse rating. Ir	15 A			
$\alpha$ Isc	0,055 % / °C			
$\beta$ Voc	- 0,32 % / °C			
$\gamma$ Pmax	- 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/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\_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...