

Monocrystalline Photovoltaic Module »



# MEPV 80 HALF-CUT

STANDARD »  
400 / 410 / **420 Wp**

## QUALITY »



**80 cells**  
Half-Cut monocrystalline



**MBB technology**  
Better light absorption



**Fire resistance**  
Maximum protection



**+5W**  
Positive power tolerance



**Avoid losses**  
Better shading tolerance



**Efficiency**  
410Wp - 420Wp



1997 to 2022  
**25<sup>TH</sup>**  
ANNIVERSARY

\*\*\* EUROPEAN QUALITY \*\*\*

## WARRANTIES »

**20** YEARS PRODUCT WARRANTY

**25** YEARS PERFORMANCE WARRANTY  
Linear Warranty

PRODUCT WARRANTY  
for Premium Partners

**+5**  
YEARS

## CERTIFICATES »



## TECHNICAL FEATURES »

### Eurener\_MEPV 80\_HALF-CUT\_400-420Wp\_2022EN

#### FRAME

Silver anodized aluminium

Robust and resistant to corrosion

#### CONNECTION BOX AND PROTECTIONS

Sealed, robust and wide for heat dissipation

IP67/IP68 according to IEC 60529

Diodes by-pass built-in (3/6)

Connector MC4 compatible

Application Class A. Safety Class II

Cables 1000 mm ( $\pm 20\%$ ) length and 4 mm<sup>2</sup> section

#### FRONTAL

3,2 mm thick tempered glass with high strength and ARC

Textured, extra-clear with low iron content

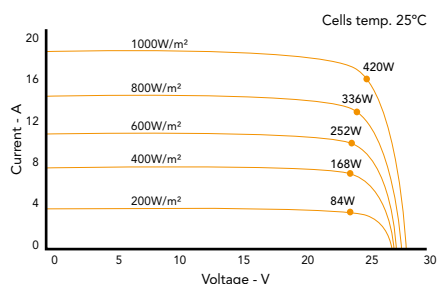
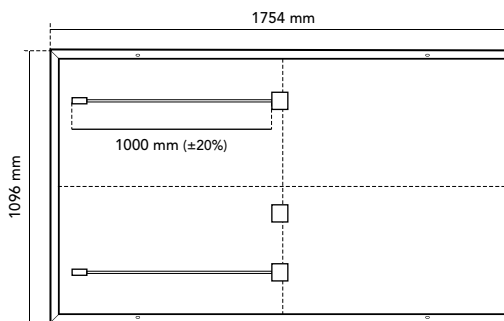
Frontal load (snow) 5400 Pa | Back load (wind) 2400 Pa

#### SOLAR CELLS

80 [2x(8x5)] cells monocrystalline silicon

#### WEIGHT, DIMENSIONS AND PACKAGING

21 Kg | 1754 x 1096 x 30 mm ( $\pm 1\%$ ) | Pack: 936 pcs-truck



## ELECTRIC DATA »

STANDARD	MEPV 400	MEPV 410	MEPV 420
STC: 1000 W/m <sup>2</sup> , module temperature 25°C, AM 1,5			
Nominal power. Pmax	400 Wp	410 Wp	420 Wp
Max. power tolerance. Pmax	0 / +5 W	0 / +5 W	0 / +5 W
Area of the module	1,92 m <sup>2</sup>		
Module efficiency	20,81 %	21,33 %	21,85 %
Isc	18,36 A	18,53 A	18,72 A
Voc	27,77 V	28,15 V	28,55 V
Imp	17,30 A	17,48 A	17,60 A
Vmp	23,13 V	23,46 V	23,87 V
NOCT: 800 W/m <sup>2</sup> , ambient temperature 20°C, AM 1,5			
Nominal power. Pmax	307,28 W	311,11 W	315,11 W
Isc	15,61 A	15,65 A	15,71 A
Voc	25,64 V	25,86 V	26,11 V
Imp	14,57 A	14,62 A	14,67 A
Vmp	21,09 V	21,28 V	21,48 V
Operating parameters. Temperature coefficients			
Maximum voltage	1500 V		
Maximum series fuse rating. Ir	20 A		
$\alpha$ Isc	0,04 % / °C		
$\beta$ Voc	- 0,25 % / °C		
$\gamma$ Pmax	- 0,34 % / °C		
Temperature range	- 40 °C ~ + 85 °C		
NOCT	43 $\pm$ 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 80\_HALF-CUT\_400-420Wp\_EN\_SEP2022

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## 25 years manufacturing a better world

Since 1997 our main purpose has been to supply quality and long-lasting photovoltaic modules that allow us and future generations, to continue generating clean energy to take care of our planet.