

# MEPV HALF-CUT

**BLACK 410 WP**  
MONOCRYSTALLINE  
PHOTOVOLTAIC MODULE



## QUALITY



80 cells  
Half-Cut monocrystalline



MBB technology  
Better light absorption



Fire resistance  
Maximum protection



+5W  
Positive power tolerance



Avoid losses  
Better shading tolerance



+21%  
Efficiency  
Over 21% efficiency



## WARRANTIES

**20** YEARS PRODUCT WARRANTY

**25** YEARS PERFORMANCE WARRANTY Linear Warranty

**+5** YEARS PRODUCT WARRANTY for premium partners

## CERTIFICATES



**AD TECHNICS**

AIRCONDITIONING  
& ONDERHOUD



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## TECHNICAL FEATURES EURENER\_MEPV 80\_HALF-CUT\_410WP\_2022EN

### FRAME

Black 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

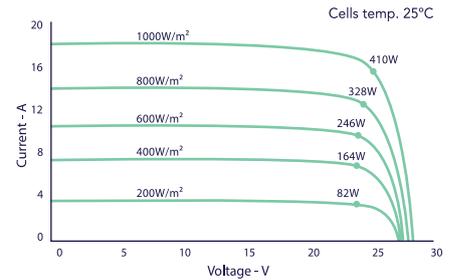
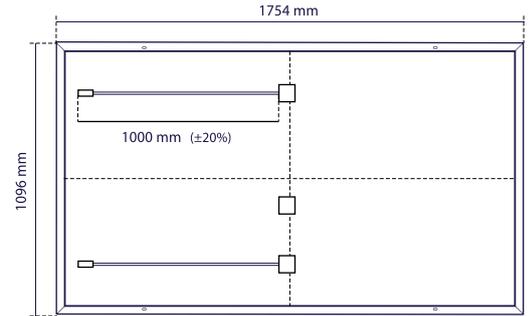
Frontal load (snow) 5400 Pa | Back load (wind) 2400 Pa

### 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

BLACK	MEPV 410
STC: 1000 W/m <sup>2</sup> , module temperature 25°C, AM 1,5	
Nominal power. Pmax	410 Wp
Max. power tolerance. Pmax	0 / +5 W
Area of the module	1,92 m <sup>2</sup>
Module efficiency	21,32 %
Isc	18,53 A
Voc	28,15 V
Imp	17,48 A
Vmp	23,46 V
NOCT: 800 W/m <sup>2</sup> , ambient temperature 20°C, AM 1,5	
Nominal power. Pmax	311,11 W
Isc	15,65 A
Voc	25,86 V
Imp	14,62 A
Vmp	21,28 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\_410Wp\_EN\_SEP2022