

Monocrystalline Photovoltaic Module »



MEPV 144 HALF-CUT

BLACK » 450Wp

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

*** EUROPEAN QUALITY

25 YEARS
KNOW
HOW
SINCE
* 1997



PREMIUM PARTNER WARRANTY »

20 YEARS PRODUCT WARRANTY

25 YEARS PERFORMANCE WARRANTY
Linear Warranty

CERTIFICATES »



TECHNICAL FEATURES »

Eurener_MEPV 144_HALF-CUT_9BB_450Wp_2021EN

FRAME

Black anodized aluminium
Robust and resistant to corrosion

CONNECTION BOX

Sealed, robust and wide for heat dissipation
IP67/IP68 according to IEC 60529
Diodes by-pass built-in (3/6)
Connector MC4 or compatible
Cables 1000 mm ($\pm 20\%$) length and 4 mm² section

FRONTAL

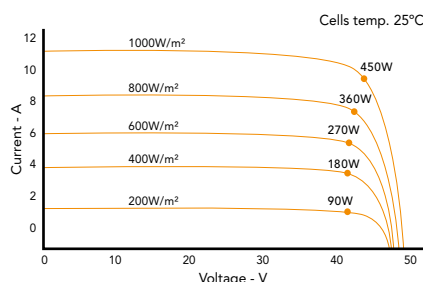
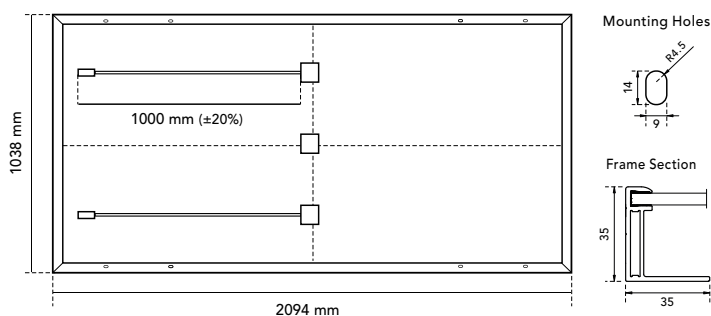
3,2 mm thick tempered glass with high strength and ARC
Textured, extra-clear with low iron content
Frontal load (snow) 5.400 Pa | Back load (wind) 2.400 Pa

SOLAR CELLS

144 [2x(12x6)] cells monocrystalline silicon

WEIGHT, DIMENSIONS AND PACKAGING

25 Kg | 2094 x 1038 x 35 mm ($\pm 1\%$) | Pack: 704 pcs-truck



ELECTRIC DATA »

BLACK	MEPV 450
STC: 1000 W/m ² , module temperature 25°C, AM 1,5	
Nominal power. P _{mpp}	450 Wp
Tolerance. P _{mpp}	0 / +5 W
Area of the module	2,17 m ²
Module efficiency	20,7 %
I _{sc}	11,50 A
V _{oc}	49,98 V
I _{mpp}	10,89 A
V _{mpp}	41,36 V
NOCT: 800 W/m ² , ambient temperature 20°C, AM 1,5	
Nominal power. P _{mpp}	338,7 W
I _{sc}	9,26 A
V _{oc}	47,18 V
I _{mpp}	8,71 A
V _{mpp}	38,88 V
Operating parameters. Temperature coefficients	
Maximum voltage	1.000 - 1.500 V
Maximum series fuse rating. I _r	15 A
α I _{sc}	0,046 % / °C
β V _{oc}	- 0,276 % / °C
γ P _{max}	- 0,381 % / °C
Temperature range	- 40°C ~ + 85 °C
NOCT	42 $\pm$ 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.
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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...