

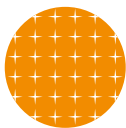
Monocrystalline Photovoltaic Module »



MEPV 144 ULTRA HALF-CUT

STANDARD »
400 / 405 / 410 / 415 / 420 W

QUALITY »



MWT
Advanced technology



Efficiency
Over 20% efficiency



Lead free
Respectful environment



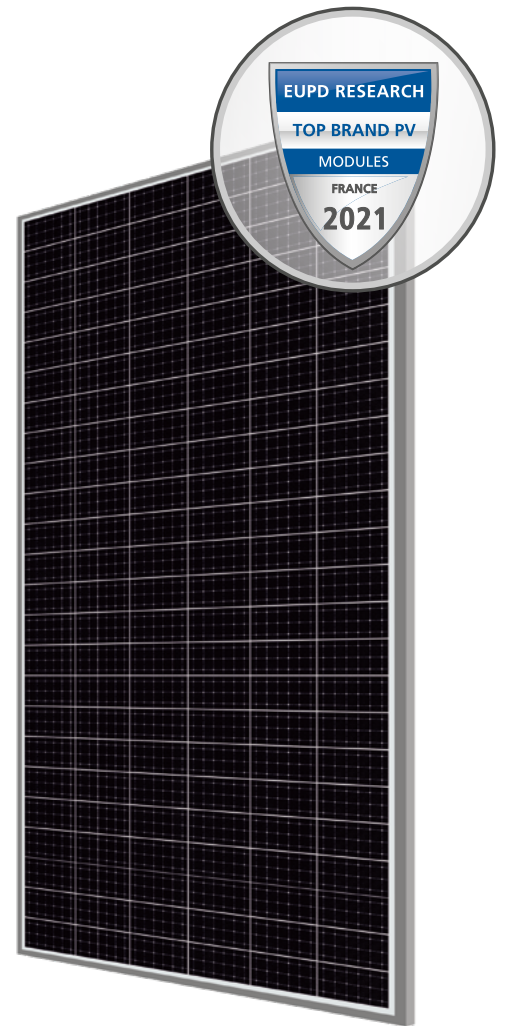
No hot spots
Lower internal current



Long durability
Continuous performance



No welding
Increasing production



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_ULTRA HALF-CUT_400-420W_2021EN

FRAME

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) - Schottcky by pass

Connector MC4 or compatible

Cables 300 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

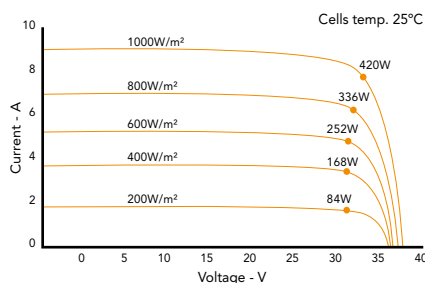
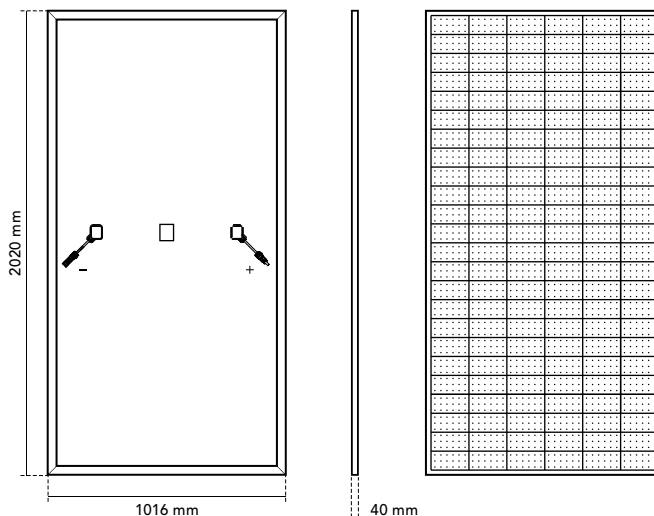
SOLAR CELLS

144 cells monocrystalline silicon. Available in:

Squared cells  Cut cells 

WEIGHT, DIMENSIONS AND PACKAGING

23,50 Kg | 2020 x 1016 x 40 mm (+/-1%) | Pack: 594/638 pcs-truck



ELECTRIC DATA »

STANDARD	MEPV 400	MEPV 405	MEPV 410	MEPV 415	MEPV 420
Dimensions	2020 x 1016 x 40 mm	2020 x 1016 x 40 mm	2020 x 1016 x 40 mm	2020 x 1016 x 40 mm	2020 x 1016 x 40 mm
Nominal power. Pmpp	400 W	405 W	410 W	415 W	420 W
Tolerance. Pmpp	0 / +5 W	0 / +5 W	0 / +5 W	0 / +5 W	±1 W
Area of the module	2,05 m ²				
Module efficiency	19,51 %	19,75 %	20,00 %	20,24 %	20,49 %
Isc	10,62 A	10,66 A	10,72 A	10,78 A	10,84 A
Voc	47,8 V	48,0 V	48,2 V	48,4 V	48,6 V
Ipp	10,20 A	10,28 A	10,35 A	10,43 A	10,50 A
Vmpp	39,2 V	39,4 V	39,6 V	39,8 V	40,0 V
Maximum voltage	1.000 - 1.500 V				
Maximum series fuse rating. Ir	15 A				
α Isc	0,06 % / °C				
β Voc	- 0,28 % / °C				
γ Pmax	- 0,36 % / °C				
Temperature range	- 40°C ~ + 85 °C				
NOCT Nominal Operating Cell Temperature	43 ± 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_ULTRA HALF-CUT_400-420W_EN_APR2021

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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...