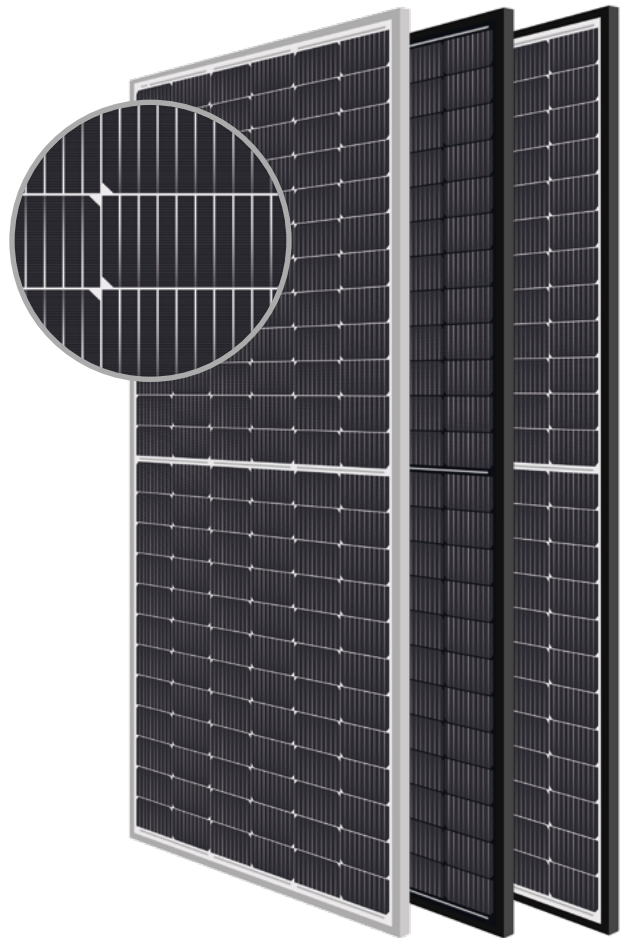




MEPV 400-420W

Half-cut | 9 Busbar | IP68



Quality

- / IP68
- / 6 diodes
- / Electroluminescence test
- / Friendly environment & recyclable materials
- / High transmissivity glass and high resistance
- / Frame with higher mechanical strength and air chamber

Certificates

- / IEC 61215
- / IEC 61730
- / VKF-AEAI compliance (Switzerland)
- / Class I (under standard UNI 9177)
- / WEEE compliance in Germany
- / ETL Listed Mark (USA-Canada)
- / EE016-20130528-001 (France)
- / Frontal load (snow) 5.400 Pa
- / Fire Resistance Certificate
- / Back load (wind) 2.400 Pa
- / MCS (UK)
- / SundaHus
- / ETN

15

YEARS PRODUCT WARRANTY

25

YEARS PERFORMANCE WARRANTY

PHOTON Laboratory talks about our modules:

"Eurener is one of the oldest module manufacturers in Europe: the Spanish company was founded in 1997. [...] It is distinguished by having values that are over the average: the temperature coefficient is quite better than other modules that are in the test field. The curve behavior at different irradiance conditions shows a marked efficiency increase in radiations from medium to high, and a slight drop in efficiency at low irradiance conditions. These factors show that this module could reach higher performance than the average in long-term measurements."



MEPV HALF-CUT 144

Standard - Black - Zebra / 400 / 410 / 415 / 420 W



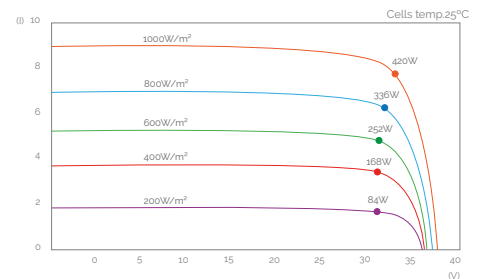
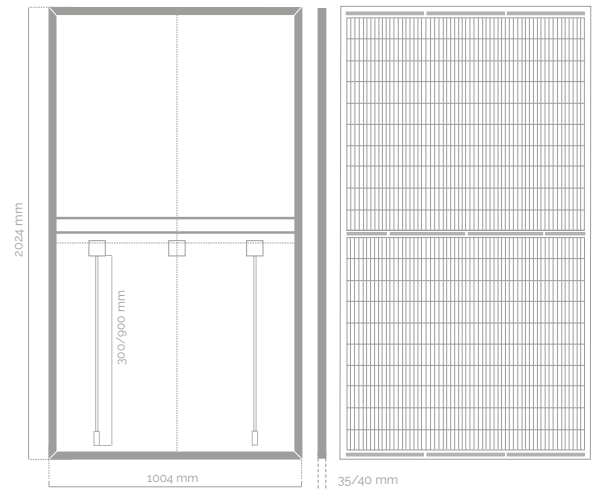
EUROPEAN QUALITY

eurener
energía solar



Technical features

Frame
Black / Silver anodized aluminium 0,015 mm
Robust and resistant to corrosion
Built-in plug
Connection box
Sealed, robust and wide for heat dissipation
IP67/IP68 according to IEC 60529
Diodes by-pass built-in (3/6) for protection of the partial shading
Connector MC4 or compatible
Cables 300/900mm (±0,1m) length and 4mm ² section
Fire Class I approval (UNI 9177)
Frontal
3,2 mm ARC tempered glass
Textured, extra-clear with low iron content
Solar cells
144 [2X(12X6)] cells monocrystalline silicon
Weight, dimensions and packaging
23 Kg 2024 x 1004 x 35/40mm(+ / -1%) Pack: 594/638 pcs-truck



Electric data

Standard - Black - Zebra	MEPV 400 - HC	MEPV 410 - HC	MEPV 415 - HC	MEPV 420 - HC
Nominal power, P _{mpp}	400 W	410 W	415 W	420 W
Tolerance, P _{mpp}	0 / +5W	0 / +5W	0 / +5W	±1W
Area of the module	2,03			
Module efficiency	19,69 %	20,18 %	20,42 %	20,67 %
I _{sc}	10,32 A	10,40 A	10,44 A	10,49 A
V _{oc}	49,0 V	49,4 V	49,6 V	49,7 V
I _{mpp}	9,81 A	9,91 A	9,96 A	10,01 A
V _{mpp}	40,8 V	41,4 V	41,7 V	42,0 V
Maximum voltage	1000 - 1500 V			
α I _{sc}	0,05% / °C			
β V _{oc}	- 0,29% / °C			
γ P _{max}	- 0,37% / °C			
Temperature range	- 40°C to +85°C			
NOCT, Nominal Operating Cell Temperature	42°C ± 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 cell's temperature of 25°C. Measurement tolerance +/-3% (AAA Solar simulation -IEC 60.904-g-). All the information of this brochure may be amended without notice by Eurener.