



## MEPV 400-420W

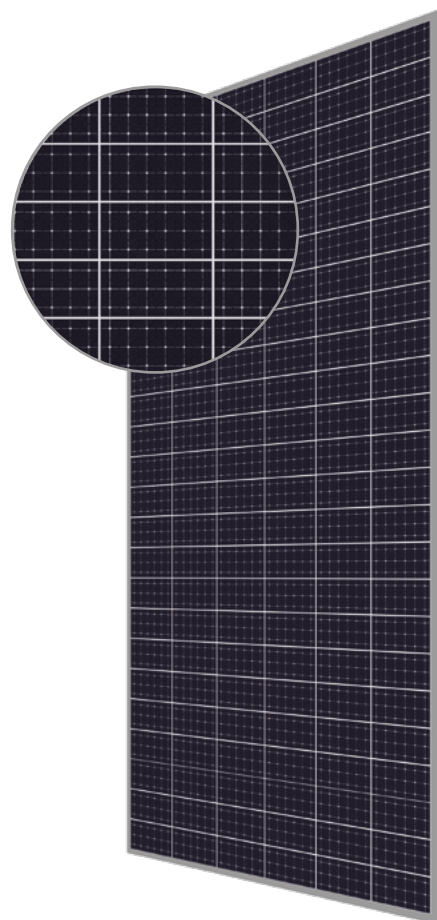
MWT technology | Half-cut | +20% efficiency

### Quality

- / IP68 - 6 diodes
- / Low degradation
- / Submitted to the electroluminescence test
- / Recyclable and environmentally friendly materials
- / Excellent reliability. Minimizes the risk of microcracking
- / No busbars, higher efficiency than conventional modules

### 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."*



SundaHus

20 ANOS  
YEARS  
ANNI  
ANS



# MEPV ULTRA HALF-CUT 144

Standard / 400 / 405 / 410 / 415 / 420 W



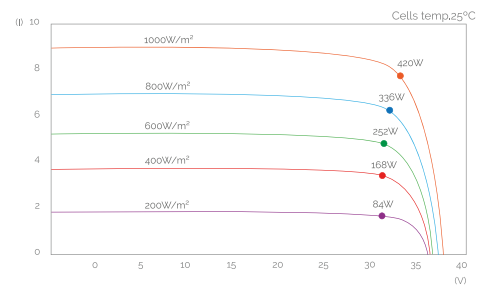
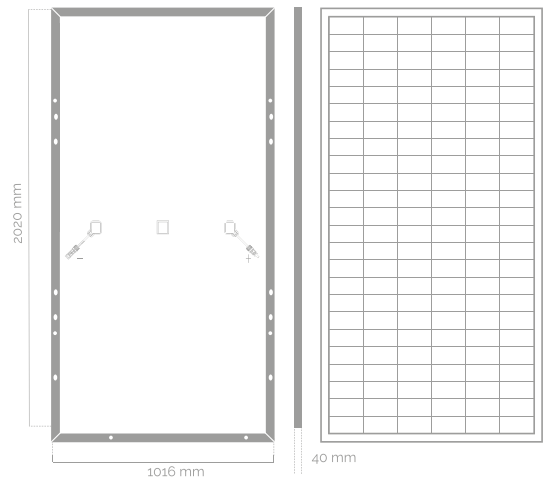
EUROPEAN QUALITY

eurener  
energía solar



### Technical features

<b>Frame</b>
Silver anodized aluminium 0,015 mm
Robust and resistant to corrosion
Built-in plug
<b>Connection box</b>
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 300mm(±0,1m) length and 4mm <sup>2</sup> section
Fire Class I approval (UNI 9177)
<b>Frontal</b>
3,2 mm thick tempered glass with high strength and ARC
Textured, extra-clear with low iron content
<b>Solar cells</b>
144 cells monocrystalline silicon
<b>Weight, dimensions and packaging</b>
23,50 Kg   2020 x 1016 x 40mm(+/-1%) Packaging: 594/638 pcs-truck



### Electric data

Standard	MEPV 400 - HC	MEPV 405 - HC	MEPV 410 - HC	MEPV 415 - HC	MEPV 420 - HC
Nominal power, P <sub>mpp</sub>	400 W	405 W	410 W	415 W	420 W
Tolerance, P <sub>mpp</sub>	0 / +3W	0 / +3W	0 / +3W	0 / +3W	±1W
Area of the module	2,05				
Module efficiency	19,50%	19,70%	20,00%	20,20%	20,50%
I <sub>sc</sub>	10,62 A	10,66 A	10,72 A	10,78 A	10,84 A
V <sub>oc</sub>	47,8 V	48,00 V	48,20 V	48,4 V	48,6 V
I <sub>mpp</sub>	10,20 A	10,28 A	10,35 A	10,43 A	10,50 A
V <sub>mpp</sub>	39,2 V	39,4 V	39,6 V	39,8 V	40,0 V
Maximum voltage	1500 V				
α I <sub>sc</sub>	0,06% / °C				
β V <sub>oc</sub>	- 0,28% / °C				
γ P <sub>max</sub>	- 0,36% / °C				
Temperature range	- 40°C to +85°C				
NOCT, Nominal Operating Cell Temperature	43°C ± 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 cell's 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.