


# Icon

MEPV 108 cells — Eurener PV Module

> 400/410/415/420Wp




- 

**Increased resistance**  
High salt mist and ammonia resistance
- 

**Anti-PID**  
Ensured PID resistance
- 

**Wider irradiance range**  
Improved performance under dawn, sunset and cloudy skies
- 

**Half cut technology**  
Better shading tolerance
- 

**Easy to handle**  
Comfortable installation thanks to an optimized area size
- 

**Customizable**  
Wide range of finishing options for all types of projects

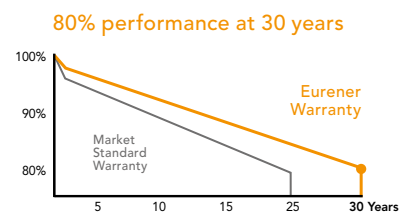


**20 Years**

**Product Warranty**  
+5 years for Premium Partners

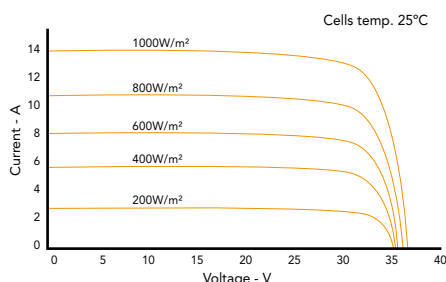
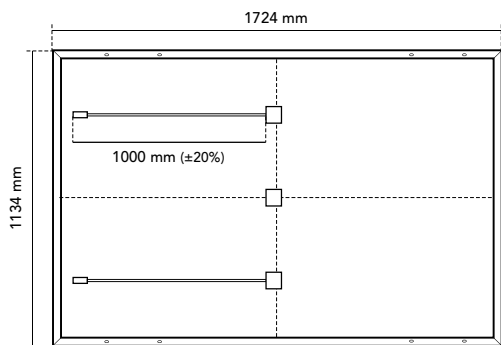
**30 Years**

**Performance Warranty**  
Linear Warranty





# Eurener MEPV 108 — ICON 400-420Wp



Mechanical Specification	
Solar cells	108 (6 x 18), monocrystalline silicon cells
Front Glass	3,2 mm thick tempered glass with high strength and ARC
Frame	Black / Silver anodized aluminium
Junction Box	IP68, 3 by-pass diodes
Connector	Connector MC4 compatible
Cable	1000 mm (±20%) length and 4 mm <sup>2</sup> section
Dimension	1724 x 1134 x 30 mm (±1%)
Area	1,96 m <sup>2</sup>
Weight and packaging	21,5 kg, 962/936 pcs-truck

Temperature Coefficients	
Temperature coefficient of Isc ( $\alpha$ )	0,044 %/°C
Temperature coefficient of Voc ( $\beta$ )	-0,276 %/°C
Temperature coefficient of Pmax ( $\gamma$ )	-0,35 %/°C
Temperature range	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	45 ± 2 °C

Black - Standard - Bicolour	MEPV 400	MEPV 410	MEPV 415	MEPV 420 STANDARD ONLY
<b>STC: 1000 W/m<sup>2</sup>, module temperature 25°C, AM 1,5</b>				
Nominal power. Pmax	400 Wp	410 Wp	415 Wp	420 Wp
Module efficiency	20,46 %	20,98 %	21,23 %	21,49 %
Short-circuit current (Isc)	13,79 A	13,95 A	14,02 A	14,10 A
Open-circuit voltage (Voc)	37,07 V	37,32 V	37,45 V	37,57 V
Maximum power current (Imp)	12,90 A	13,04 A	13,13 A	13,21 A
Maximum power voltage (Vmp)	31,01 V	31,45 V	31,61 V	31,81 V
<b>NOCT: 800 W/m<sup>2</sup>, ambient temperature 20°C, AM 1,5</b>				
Nominal power. Pmax	301,72 W	309,48 W	313,23 W	317,20 W
Short-circuit current (Isc)	11,13 A	11,26 A	11,31 A	11,38 A
Open-circuit voltage (Voc)	35,02 V	35,26 V	35,38 V	35,50 V
Maximum power current (Imp)	10,42 A	10,53 A	10,60 A	10,67 A
Maximum power voltage (Vmp)	28,96 V	29,39 V	29,54 V	29,74 V
<b>Operating parameters</b>				
Maximum voltage	1000 - 1500 V			
Maximum series fuse rating. Ir	25 A			
Power output tolerance	0 - +3%			
Voc and Isc tolerance	±3%			
Fire rating	Class C (UL 790)			
Protection class	Class II (IEC 61140)			
Hail resistance	HW3/RG3			
Mechanical loads	Front load 5400 Pa, Back load 2400 Pa			

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 108\_ICON\_400-420Wp\_EN\_JAN2024

**SINCE**  
**1997**  
more than  
energy

**eurener.com**  
contact@eurenerworld.com  
+34 960 045 515  
Calle Colón, 1-23  
46004, Valencia. Spain

## Manufacturing a better world

Since 1997 our main purpose has been to supply quality and long-lasting photovoltaic modules that allow us and future generations, to continue generating clean energy to take care of our planet.