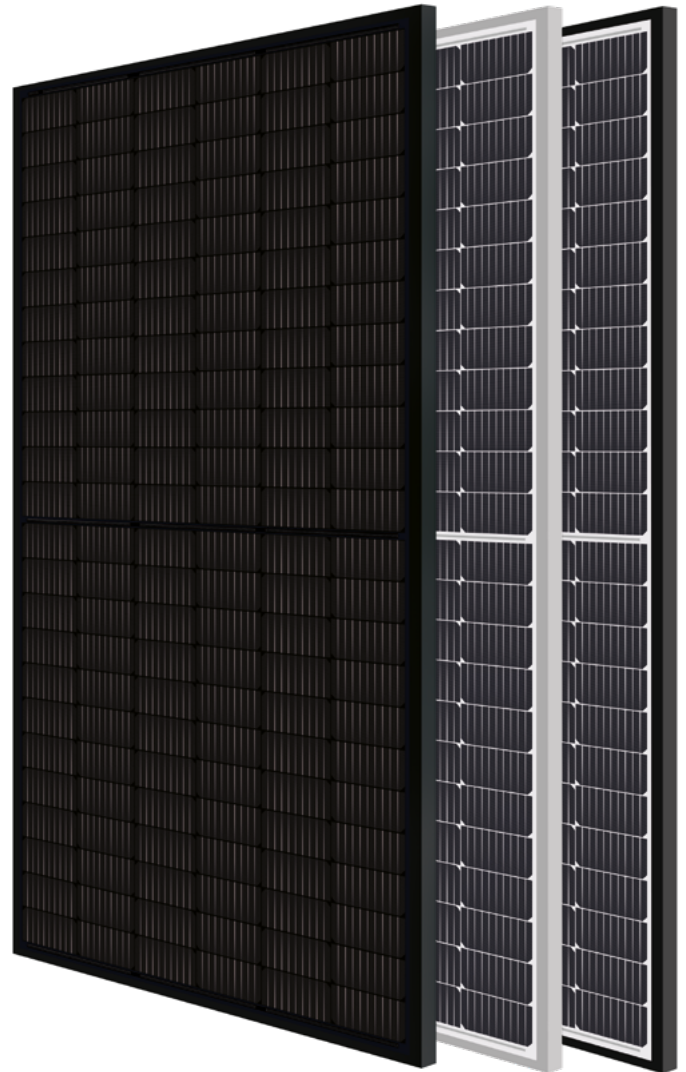


# Icon Plus

MEPV 144 cells — Eurener PV Module

> **450/460Wp**



**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



**High temperature performance**

Better energy yield on sunny days



**Customizable**

Wide range of finishing options for all types of projects



**20 Years**

**Product Warranty**

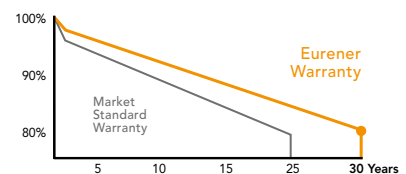
+5 years for Premium Partners

**30 Years**

**Performance Warranty**

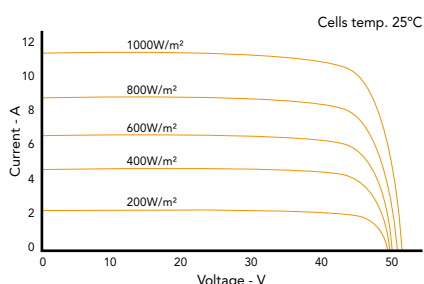
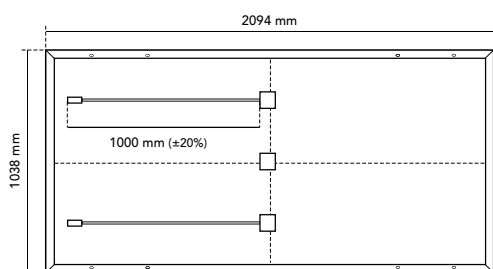
Linear Warranty

80% performance at 30 years





# Eurener MEPV 144 — ICON Plus 450-460Wp



Mechanical Specification	
Solar cells	144 (6 x 24), 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	2094 x 1038 x 35 mm (±1%)
Area	2,17 m <sup>2</sup>
Weight and packaging	25 kg, 726 pcs-truck

Temperature Coefficients	
Temperature coefficient of Isc ( $\alpha$ )	0,046 %/°C
Temperature coefficient of Voc ( $\beta$ )	-0,276 %/°C
Temperature coefficient of Pmax ( $\gamma$ )	-0,381 %/°C
Temperature range	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	42 ± 2 °C

Black - Standard - Bicolour	MEPV 450	MEPV 460
<b>STC: 1000 W/m<sup>2</sup>, module temperature 25°C, AM 1,5</b>		
Nominal power. Pmax	450 Wp	460 Wp
Module efficiency	20,72 %	21,19 %
Short-circuit current (Isc)	11,50 A	11,66 A
Open-circuit voltage (Voc)	49,98 V	50,38 V
Maximum power current (Imp)	10,89 A	11,03 A
Maximum power voltage (Vmp)	41,36 V	41,76 V
<b>NOCT: 800 W/m<sup>2</sup>, ambient temperature 20°C, AM 1,5</b>		
Nominal power. Pmax	338,64 W	349,78 W
Short-circuit current (Isc)	9,26 A	9,37 A
Open-circuit voltage (Voc)	47,18 V	47,52 V
Maximum power current (Imp)	8,71 A	8,88 A
Maximum power voltage (Vmp)	38,88 V	39,39 V
<b>Operating parameters</b>		
Maximum voltage	1000 - 1500 V	
Maximum series fuse rating. Ir	20 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 144\_ICON Plus\_450-460Wp\_EN\_JAN2024

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energy



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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.