

# Icon Plus 500W

## PERC

› Black – Standard – Bicolour



### Efficiency

Module efficiency up to 21.06 %



### Half cut technology

Better shading tolerance



### Anti-PID

Ensured PID resistance



### Increased resistance

High salt mist and ammonia resistance



### Increased PV surface

Higher power output



### Customizable

Wide range of finishing options for all types of projects



**20** Years

**Product Warranty**

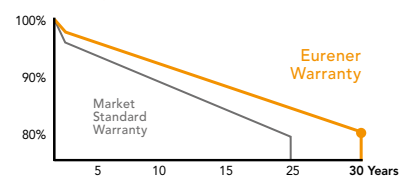
+5 years for Premium Partners

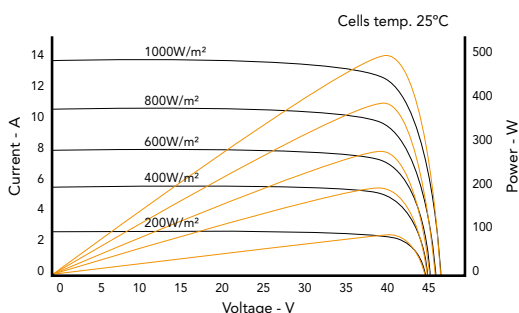
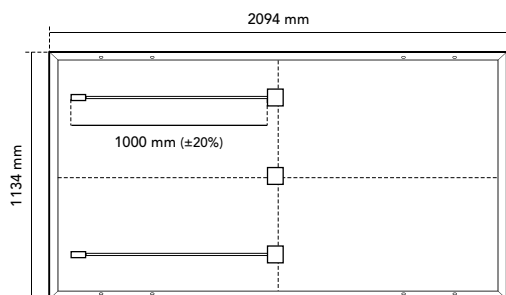
**30** Years

**Performance Warranty**

Linear Warranty

80% performance at 30 years





Mechanical Specification	
Solar cells	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
Area	2,37 m <sup>2</sup>
Dimension, weight and packaging	2094 x 1134 x 30 mm (±1%) › 26,3 kg, 792 pcs-truck 2094 x 1134 x 35 mm (±1%) › 26,3 kg, 682 pcs-truck
Temperature Coefficients	
Temperature coefficient of Isc (α)	0,0445 %/°C
Temperature coefficient of Voc (β)	-0,275 %/°C
Temperature coefficient of Pmax (γ)	-0,350 %/°C
Temperature range	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	45 ± 2 °C

Black - Standard - Bicolour	MEPV 500
<b>STC: 1000 W/m<sup>2</sup>, module temperature 25°C, AM 1,5</b>	
Nominal power. Pmax	500 Wp
Module efficiency	21,06 %
Short-circuit current (Isc)	13,93 A
Open-circuit voltage (Voc)	45,59 V
Maximum power current (Imp)	13,04 A
Maximum power voltage (Vmp)	38,35 V
<b>NOCT: 800 W/m<sup>2</sup>, ambient temperature 20°C, AM 1,5</b>	
Nominal power. Pmax	378 W
Short-circuit current (Isc)	11,24 A
Open-circuit voltage (Voc)	43,08 V
Maximum power current (Imp)	10,53 A
Maximum power voltage (Vmp)	35,84 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\_ICON Plus\_500W\_EN\_APR2024



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**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.