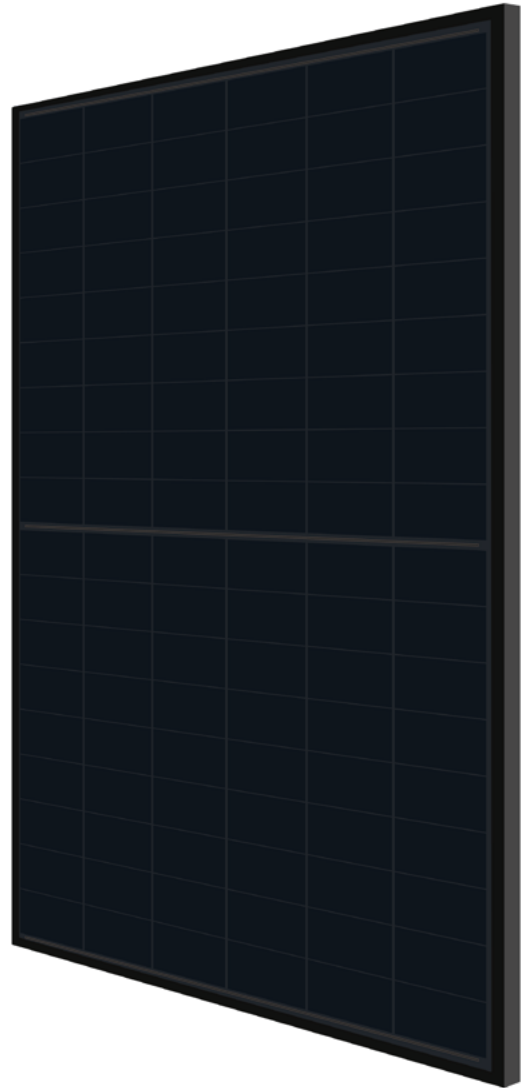


# Ultra

MEPV 108 cells — Eurener PV Module

> **450/460Wp**



**N-type cell**

Higher resistance to LID and LeTID



**Back contact technology**

Improved energy yield by reducing BB shadowing



**Premium aesthetic**

Commercial and residential rooftop integration



**Easy to handle**

Comfortable installation thanks to an optimized area size



**Better temperature coefficient**

Minimized thermal losses, improved efficiency



**Elegant design**

Cells free from frontal metallization



**20 Years**

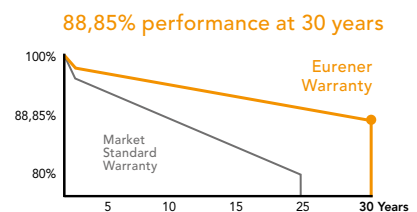
**Product Warranty**

+5 years for Premium Partners

**30 Years**

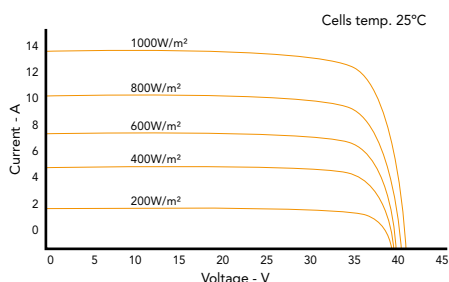
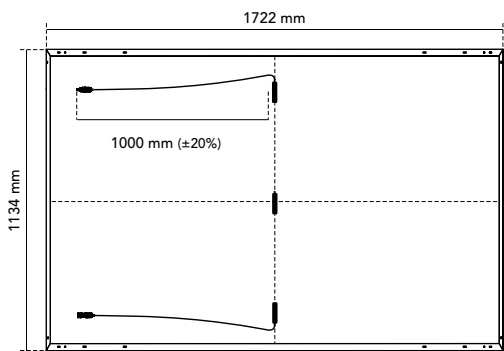
**Performance Warranty**

Linear Warranty





# Eurener MEPV 108 — ULTRA 450-460Wp



Mechanical Specification	
Solar cells	108 (6 x 18), N-Type monocrystalline silicon cells
Front Glass	3,2 mm thick tempered glass with high strength and ARC
Frame	Black anodized aluminium
Junction Box	IP68, 3 by-pass diodes
Connector	Original MC4-Evo 2
Cable	1000 mm (±20%) length and 4 mm <sup>2</sup> section
Dimension	1722 x 1134 x 30 mm (±1%)
Area	1,95 m <sup>2</sup>
Weight and packaging	20,5 kg, 936 pcs-truck
Temperature Coefficients	
Temperature coefficient of Isc (α)	0,05 %/°C
Temperature coefficient of Voc (β)	-0,24 %/°C
Temperature coefficient of Pmax (γ)	-0,29 %/°C
Temperature range	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	43 ± 2 °C

Black	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	22,98 %	23,63 %
Short-circuit current (Isc)	13,74 A	13,91 A
Open-circuit voltage (Voc)	40,24 V	40,40 V
Maximum power current (Imp)	13,21 A	13,47 A
Maximum power voltage (Vmp)	34,10 V	34,20 V
<b>NOCT: 800 W/m<sup>2</sup>, ambient temperature 20°C, AM 1,5</b>		
Nominal power. Pmax	339 Wp	347 Wp
Short-circuit current (Isc)	11,16 A	11,24 A
Open-circuit voltage (Voc)	37,84 V	38,00 V
Maximum power current (Imp)	10,64 A	10,76 A
Maximum power voltage (Vmp)	31,94 V	32,27 V
<b>Operating parameters</b>		
Maximum voltage	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\_ULTRA\_450-460Wp\_EN\_JAN2024



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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.