

BACK CONTACT

N-TYPE

DOUBLE GLASS BIFACIAL

NEW



# ULTRA 500W

Elegance powered by the sun

+24.5%

Higher efficiency



Premium integration  
< 2m<sup>2</sup>



Fire rating Class A  
& BROOF (t4)

30 years Performance Warranty  
Power in year 30 of 88.85%

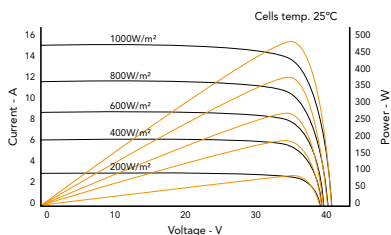
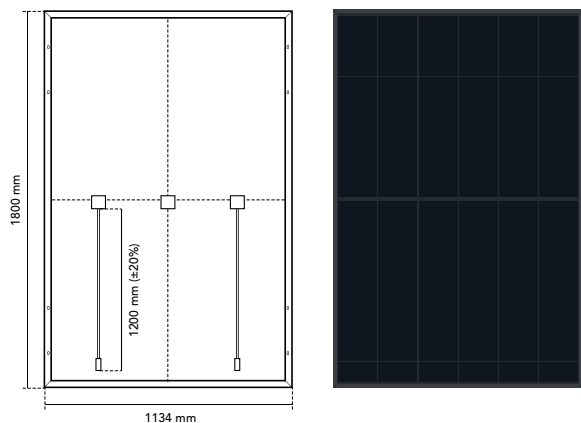
25 years Product Warranty  
Premium partners +5 years



**eurener**  
energía solar



# Eurener MEPV — ULTRA Double Glass Bifacial 500W



Mechanical specification	
Solar cells	N-Type bifacial monocrystalline silicon cells
Front Glass	2 mm anti-reflective surface tempered solar glass
Back Glass	1.6 mm tempered solar glass
Frame	Black anodized aluminium
Junction Box	IP68, 3 by-pass diodes
Connector	Original MC4-Evo 2
Cable	1200 mm (±20%) length and 4 mm² section
Dimension	1800 x 1134 x 30 mm (±1%)
Area	2.0 m²
Weight	23.5 kg
Packaging	864 pcs/truck

Temperature coefficients	
Temperature coefficient of Isc (α)	0.05 %/°C
Temperature coefficient of Voc (β)	-0.21 %/°C
Temperature coefficient of Pmax (γ)	-0.24 %/°C
Temperature range	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	45 ± 2 °C

## MEPV 500

Electrical characteristics	STC	NOCT
Nominal power. Pmax	500 Wp	380 Wp
Short-circuit current (Isc)	15.29 A	12.23 A
Open-circuit voltage (Voc)	41.44 V	39.37 V
Maximum power current (Imp)	14.61 A	11.69 A
Maximum power voltage (Vmp)	34.24 V	32.53 V
Module efficiency	24.50 %	

Electrical characteristics	Bifacial gain 10%
Nominal power. Pmax	550 Wp
Short-circuit current (Isc)	16.82 A
Open-circuit voltage (Voc)	41.44 V
Maximum power current (Imp)	16.06 A
Maximum power voltage (Vmp)	34.24 V

\* STC: 1000 W/m², module temperature 25°C, AM 1.5 \* NOCT: 800 W/m², ambient temperature 20°C, AM 1.5

Operating parameters	
Maximum voltage	1500 V
Maximum series fuse rating. Ir	30 A
Power output tolerance	0 - +3 %
Voc and Isc tolerance	± 3 %
Fire rating	BROOF (t4) (EN 13501-5) Class A or C (UL 790)
Protection class	Class II (IEC 61140)
Mechanical loads	Front load 5400 Pa, Back load 2400 Pa

Corporate and product certificates	
ECOVADIS rating - Platinum Medal (TOP 1%)	
Solar Industry Forced Labor Prevention Pledge by SEIA	
ISO9001:2015 - Quality Management Systems	
ISO14001:2015 - Environmental Management System	
WEEE compliance in Germany	
PV CYCLE Italy	
IEC 61215 - Terrestrial photovoltaic (PV) modules - Design qualification and type approval	
IEC 61730 - Photovoltaic (PV) module safety qualification	
IEC 61701 - Photovoltaic (PV) modules - Salt mist corrosion testing	
IEC 62716 - Photovoltaic (PV) modules - Ammonia corrosion testing	
IEC TS 62804 - Photovoltaic (PV) modules - Test methods for the detection of potential-induced degradation	
Hail resistance HW3/RG3	
Certificate of Factory Production Control (UK) - MCS	
Fire reaction class: 1 - LAPI	
Swissolar Quality Certificate	



NOTE: All information contained in this data sheet is provided for general information purposes only. Product specifications may be subject to technical modifications. Reception, installation and use shall comply with the applicable Installation Manual, General Conditions of Sale and Warranty Terms and Conditions. The latest versions of all technical documentation are available at [www.eurener.com](http://www.eurener.com).

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more than energy

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## European experts in residential modules

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.