

BACK CONTACT

N-TYPE

DOUBLE GLASS BIFACIAL

NEW

ULTRA 500W

Elegance powered by the sun



Higher efficiency



Premium integration
< 2m²



Fire rating Class A
& BROOF (t4)

30 years Performance Warranty
Power in year 30 of 88.85%

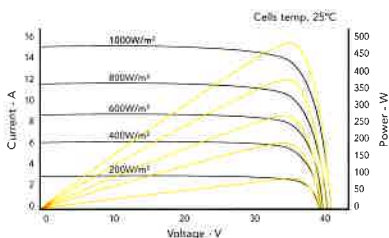
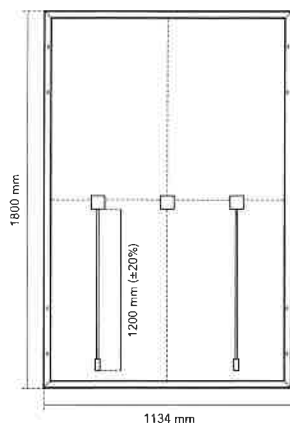
25 years Product Warranty
Premium partners +5 years



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 I_{sc} (α)	0.05 %/°C
Temperature coefficient of V_{oc} (β)	-0.21 %/°C
Temperature coefficient of P_{max} (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, P_{max}	500 Wp	380 Wp
Short-circuit current (I_{sc})	15.29 A	12.23 A
Open-circuit voltage (V_{oc})	41.44 V	39.37 V
Maximum power current (I_{mp})	14.61 A	11.69 A
Maximum power voltage (V_{mp})	34.24 V	32.53 V
Module efficiency	24.50 %	

Electrical characteristics	Bifacial gain 10%
Nominal power, P_{max}	550 Wp
Short-circuit current (I_{sc})	16.82 A
Open-circuit voltage (V_{oc})	41.44 V
Maximum power current (I_{mp})	16.06 A
Maximum power voltage (V_{mp})	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, I_r	30 A
Power output tolerance	0 - +3 %
V_{oc} and I_{sc} 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



SWISSOLAR

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.

SINCE
1997
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.