

Nexa TOPCon N-type

FRONT SIDE

500 - 515W

› Double Glass Bifacial



Module efficiency

Module efficiency up to 23.16 %



Bifacial cell

Bifaciality factor: 80 ± 5 %



Hail resistance

RG3/HW3 certified



Better temperature coefficient

Minimized thermal losses, improved efficiency



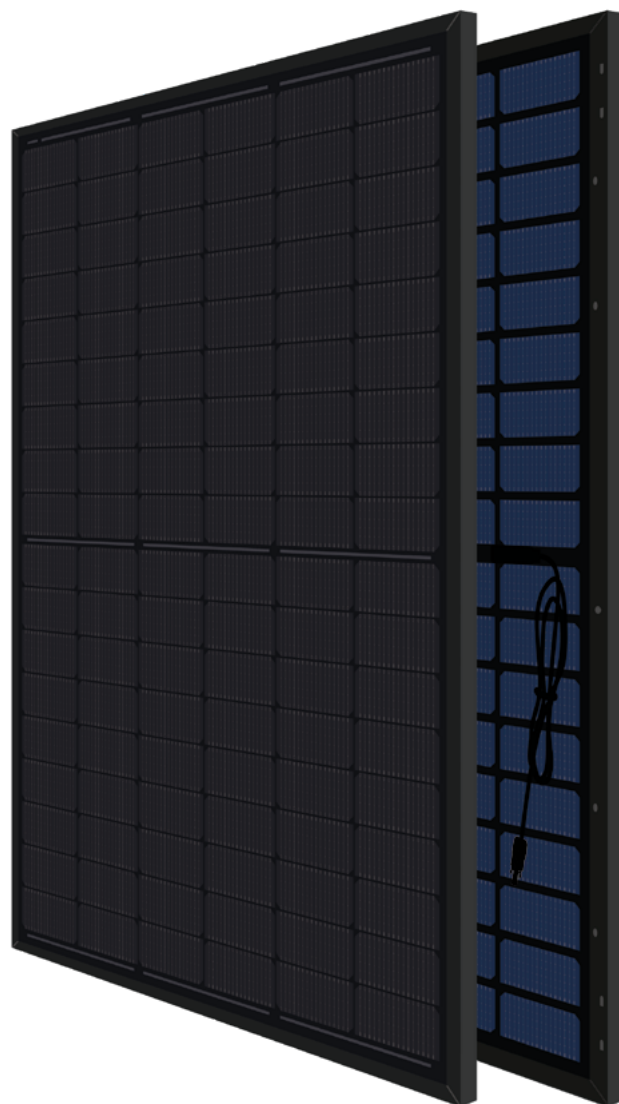
PFAS free

Product free from perfluoroalkyl and polyfluoroalkyl substances



Sustainable product

High percentage of recyclable materials



25

Years

Product Warranty

+5 years for Premium Partners

30

Years

Performance Warranty

Linear Warranty

1% First year degradation

0.38% Annual degradation

88% Power in year 30

Light up your world with Eurener

Eurener's extensive portfolio of certifications and awards is testament to our unwavering commitment to our partners and our deep sense of social and ethical responsibility.



Spanish Quality
Worldwide



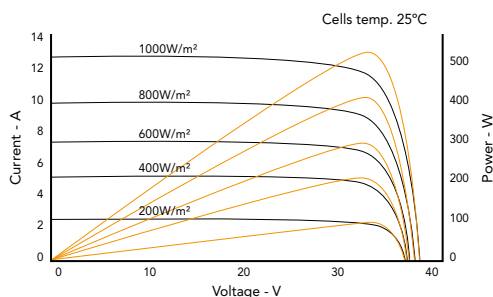
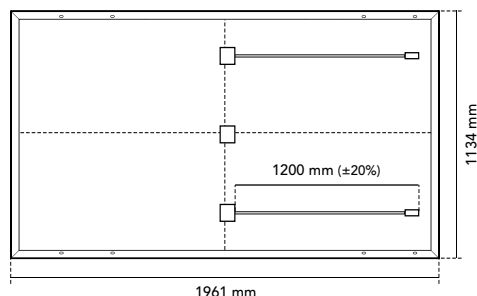
Awarded as TOP Brand PV
in -FR-SW-BE-UK-



EcoVadis
Platinum Medal



Eurener MEPV — NEXA Double Glass Bifacial 500-515W



Mechanical specification

Solar cells	N-Type bifacial monocrystalline silicon cells
Front Glass	2 mm anti-reflective surface tempered solar glass
Back Glass	2 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	1961 x 1134 x 30 mm (±1%)
Area	2.22 m²
Weight	27.5 kg
Packaging	864 pcs/truck

Temperature coefficients

Temperature coefficient of I_{sc} (α)	0.046 %/°C
Temperature coefficient of V_{oc} (β)	-0.25 %/°C
Temperature coefficient of P_{max} (γ)	-0.29 %/°C
Temperature range	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	45 ± 2 °C

	MEPV 500		MEPV 505		MEPV 510		MEPV 515	
Electrical characteristics	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Nominal power. Pmax	500 Wp	382 Wp	505 Wp	386 Wp	510 Wp	389 Wp	515 Wp	392 Wp
Short-circuit current (Isc)	15.86 A	12.79 A	15.90 A	12.82 A	15.94 A	12.85 A	15.98 A	12.88 A
Open-circuit voltage (Voc)	40.10 V	38.10 V	40.32 V	38.30 V	40.53 V	38.50 V	40.72 V	38.70 V
Maximum power current (Imp)	15.02 A	12.17 A	15.08 A	12.20 A	15.14 A	12.23 A	15.30 A	12.26 A
Maximum power voltage (Vmp)	33.30 V	31.41 V	33.51 V	31.60 V	33.70 V	31.81 V	33.99 V	31.99 V
Module efficiency	22.48 %		22.71 %		22.93 %		23.16 %	
Electrical characteristics	Bifacial gain 10%							
Nominal power. Pmax	550 Wp		556 Wp		561 Wp		567 Wp	
Short-circuit current (Isc)	17.43 A		17.49 A		17.55 A		17.60 A	
Open-circuit voltage (Voc)	40.05 V		40.30 V		40.55 V		40.80 V	
Maximum power current (Imp)	16.51 A		16.58 A		16.63 A		16.70 A	
Maximum power voltage (Vmp)	33.33 V		33.55 V		33.74 V		33.96 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	25 A
Power output tolerance	0 - +3 %
V_{oc} and I_{sc} tolerance	± 3 %
Fire rating	Class 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



NOTE: Read the safety and installation manual before using the product. This data sheet is not legally binding, Eurener reserves the right of final interpretation. Eurener reserves the right to change the product characteristics and/or specifications without prior notice. The latest versions of all documents can always be found on our website at 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.