eurener energía solar

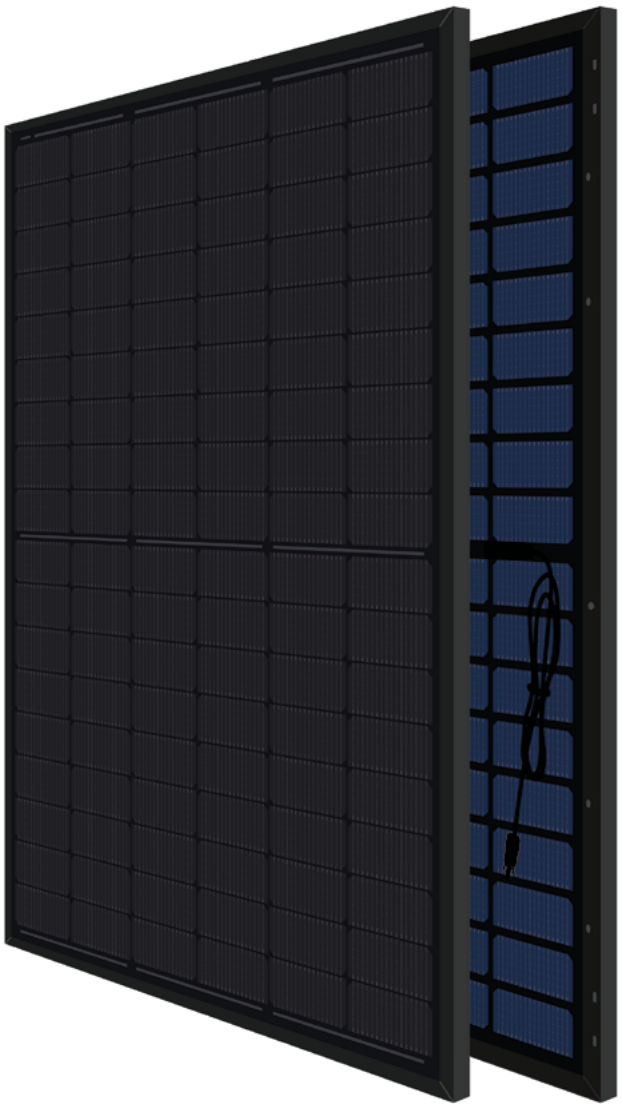
European Experts
in Residential Modules

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 %

High reliability
Certified resistance against PID, salt mist, dust, sand, and ammonia

Hail resistance
RG3/HW3 certified

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

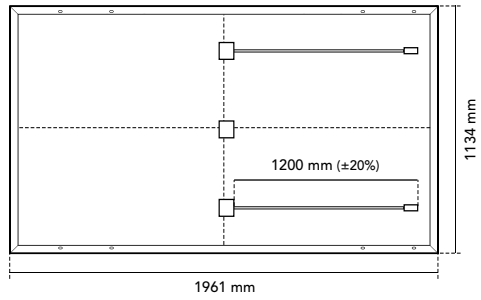


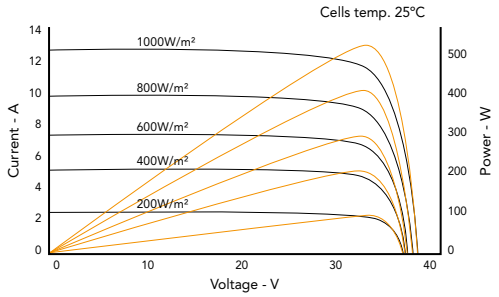
Awarded as TOP Brand PV



EcoVadis Platinum Medal
for three consecutive years

MEPV500HH-14ZII, MEPV505HH-14ZII, MEPV510HH-14ZII, MEPV515HH-14ZII — NEXA DG Bif 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 (±2mm)
Area	2.22 m²
Weight	27.5 kg
Packaging	864 pcs/truck

Temperature coeficients	
Temperature coeficient of Isc (α)	0.046 %/°C
Temperature coeficient of Voc (β)	-0.25 %/°C
Temperature coeficient of Pmax (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. Ir	25 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

Corporative 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
Assessed by Sundahus
Swissolar Quality Certificate

NOTE: All information contained in this data sheet is provided for general information purposes only. Product specifi cations may be subject to technical modifi cations. 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.