

## Nexa TOPCon N-type

FRONT SIDE

# 480 - 500W

› Double Glass Bifacial

+23.1%

### Module efficiency

Module efficiency up to 23.10 %



### Bifacial cell

Bifaciality factor: 80 ± 5 %



### High reliability

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



### Hail resistance

RG3/HW3 certified



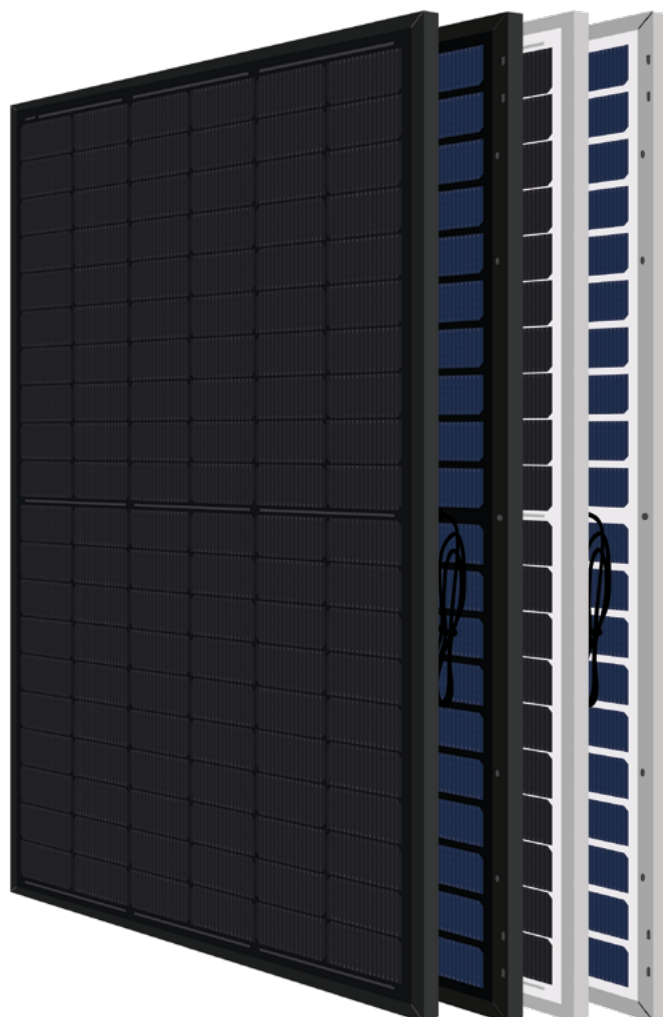
### PFAS free

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

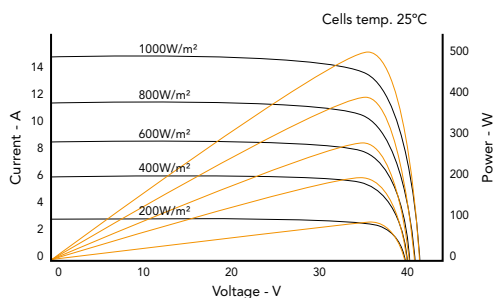
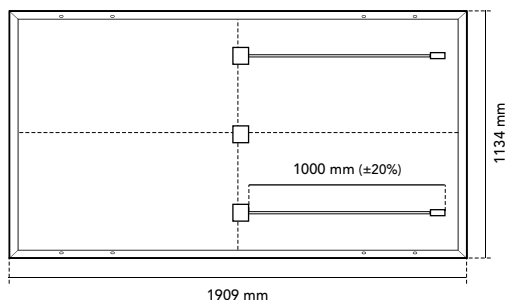
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# Eurener MEPV — NEXA Double Glass Bifacial 480-500W



## 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/silver 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	1909 x 1134 x 30 mm (±1%)
Area	2.16 m <sup>2</sup>
Weight	27 kg
Packaging	864 pcs/truck

## Temperature coefficients

Temperature coefficient of Isc (α)	0.045 %/°C
Temperature coefficient of Voc (β)	-0.275 %/°C
Temperature coefficient of Pmax (γ)	-0.29 %/°C
Temperature range	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	45 ± 2 °C

	MEPV 480		MEPV 490		MEPV 500	
Electrical characteristics	STC	NOCT	STC	NOCT	STC	NOCT
Nominal power. Pmax	480 Wp	361 Wp	490 Wp	369 Wp	500 Wp	376 Wp
Short-circuit current (Isc)	14.34 A	11.55 A	14.44 A	11.69 A	14.52 A	11.81 A
Open-circuit voltage (Voc)	42.63 V	40.57 V	42.95 V	41.02 V	43.25 V	41.43 V
Maximum power current (Imp)	13.60 A	10.85 A	13.78 A	11.01 A	13.94 A	11.13 A
Maximum power voltage (Vmp)	35.31 V	33.27 V	35.61 V	33.48 V	35.88 V	33.80 V
Module efficiency	22.18 %		22.63 %		23.10 %	

Electrical characteristics	Bifacial gain 10%		
Nominal power. Pmax	528 Wp	539 Wp	550 Wp
Short-circuit current (Isc)	15.72 A	15.93 A	16.02 A
Open-circuit voltage (Voc)	42.71 V	43.03 V	43.31 V
Maximum power current (Imp)	14.91 A	15.11 A	15.30 A
Maximum power voltage (Vmp)	35.42 V	35.68 V	35.97 V

\* STC: 1000 W/m<sup>2</sup>, module temperature 25°C, AM 1.5      \* NOCT: 800 W/m<sup>2</sup>, 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

## 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
Assessed by Sundahus
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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## 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.