

**Nexa TOPCon N-type**

> **480 - 500W**

+23.1%

**Module efficiency**  
Module efficiency up to 23.10 %



**Different designs**  
Black - Silver



**PID resistance**  
Certified according to IEC TS 62804 standards



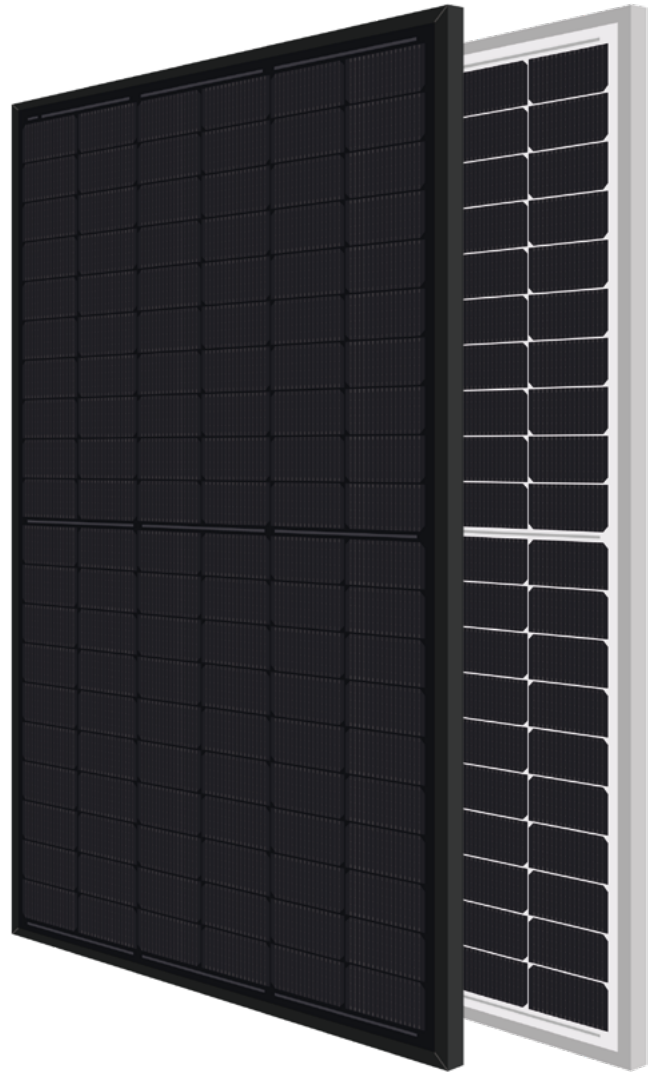
**High reliability**  
Certified resistance against salt mist, dust, sand, and ammonia



**Hail resistance**  
RG3/HW3 certified



**Better temperature coefficient**  
Minimized thermal losses, improved efficiency



**20** 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



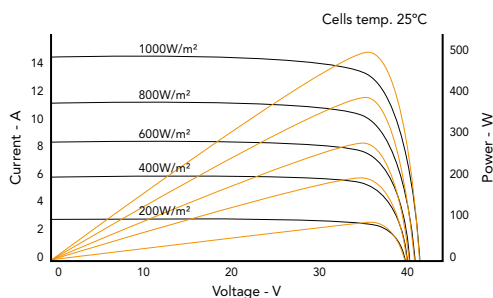
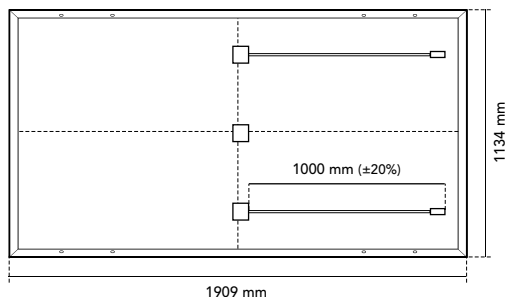
Awarded as TOP Brand PV



EcoVadis Platinum Medal for three consecutive years



# Eurener MEPV — NEXA 480-500W



Mechanical specification	
Solar cells	N-Type monocrystalline silicon cells
Front Glass	3.2 mm thick tempered glass with high strength and ARC
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	25.9 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
<b>Electrical characteristics</b>			
STC			
Nominal power. Pmax	480 Wp	490 Wp	500 Wp
Short-circuit current (Isc)	14.34 A	14.44 A	14.52 A
Open-circuit voltage (Voc)	42.63 V	42.95 V	43.25 V
Maximum power current (Imp)	13.60 A	13.78 A	13.94 A
Maximum power voltage (Vmp)	35.31 V	35.61 V	35.88 V
Module efficiency	22.18 %	22.63 %	23.10 %
<b>Electrical characteristics</b>			
NOCT			
Nominal power. Pmax	361 Wp	369 Wp	376 Wp
Short-circuit current (Isc)	11.55 A	11.69 A	11.81 A
Open-circuit voltage (Voc)	40.57 V	41.02 V	41.43 V
Maximum power current (Imp)	10.85 A	11.01 A	11.13 A
Maximum power voltage (Vmp)	33.27 V	33.48 V	33.80 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
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.