

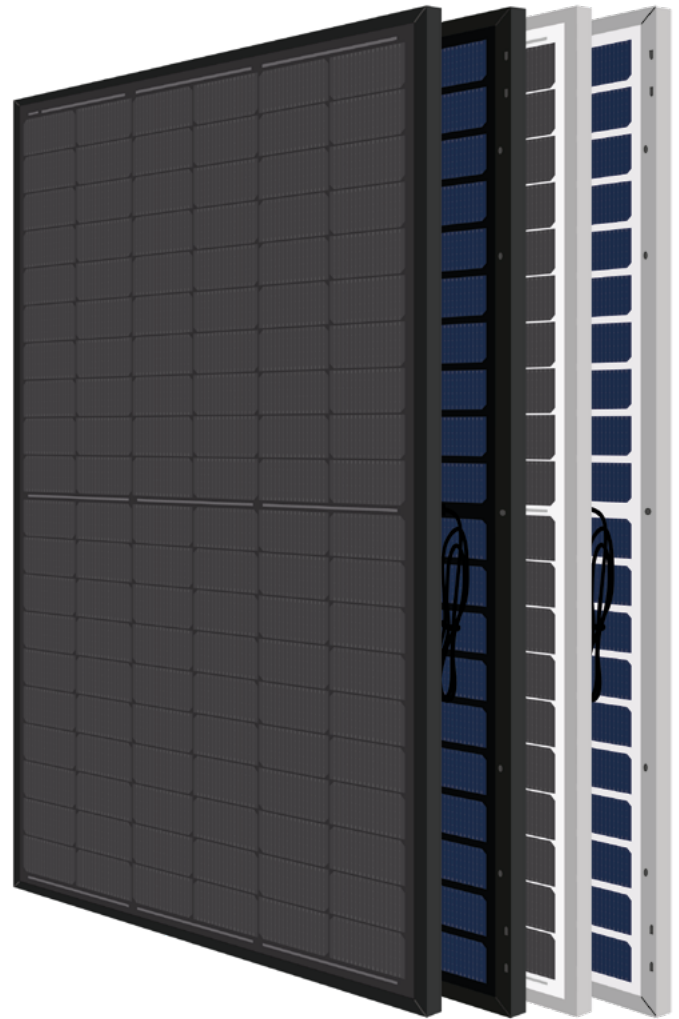


## Nexa Matte TOPCon N-type

FRONT SIDE

# 480 - 500W

› Double Glass Bifacial



### Anti-glare glass

Suitable for airports, roads and facades



### Lower luminance

8.000cd/m<sup>2</sup> (Light incident angle of 10°)



### Module efficiency

Module efficiency up to 23.10%



### Bifacial cell

Bifaciality factor: 80 ± 5 %



### PFAS free

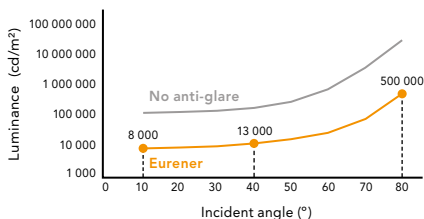
Product free from perfluoroalkyl and polyfluoroalkyl substances



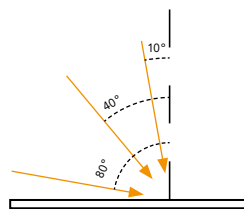
### Sustainable product

High percentage of recyclable materials

### LUMINANCE



### INCIDENT ANGLE



**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



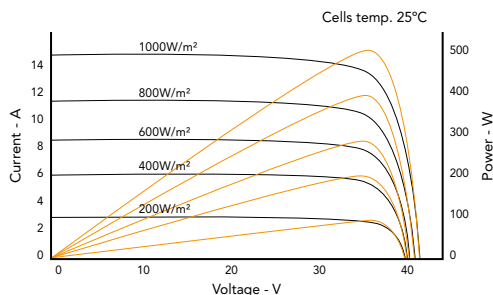
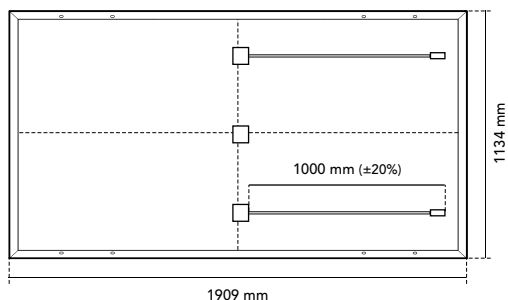
Awarded as TOP Brand PV



EcoVadis Platinum Medal for three consecutive years



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



| Mechanical specification |   |
|--------------------------|---|
| Solar cells              | N-Type bifacial monocrystalline silicon cells       |
| Front Glass              | 2 mm anti-glare 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)<br>Class A or C (UL 790) |
| Protection class               | Class II (IEC 61140)                             |
| Mechanical loads               | Front load 5400 Pa,<br>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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