

## Nexa Plus TOPCon N-type

FRONT SIDE

# 580 - 600W

› Double Glass Bifacial



### Module efficiency

Module efficiency up to 23.22 %



### Bifacial cell

Bifaciality factor:  $80 \pm 5$  %



### High reliability

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



### Hail resistance

RG3/HW3 certified



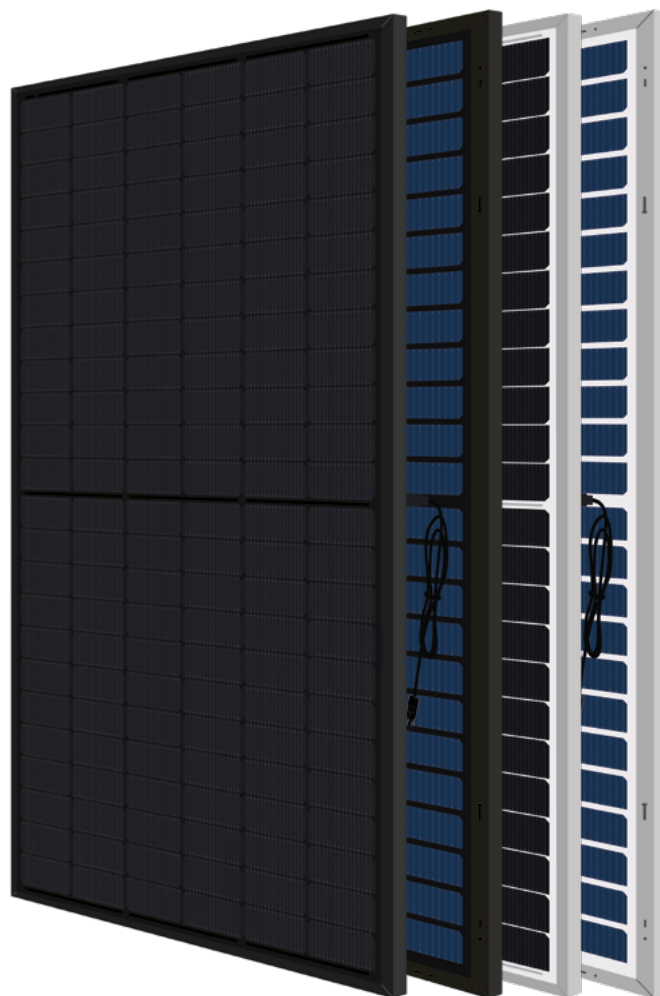
### PFAS free

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



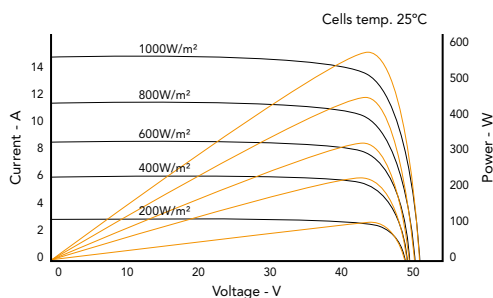
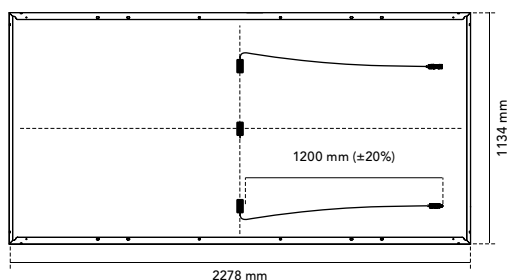
Awarded as TOP Brand PV



EcoVadis Platinum Medal  
for three consecutive years



## Eurener MEPV — NEXA Plus Double Glass Bifacial 580-600W



### Mechanical Specification

|              |                                                  |
|--------------|--------------------------------------------------|
| Solar cells  | N-Type bifacial monocrystalline silicon cells    |
| Front Glass  | 2mm anti-reflective surface tempered solar glass |
| Back Glass   | 2mm tempered solar glass                         |
| Frame        | Black/silver anodized aluminium                  |
| Junction Box | IP68, 3 by-pass diodes                           |
| Connector    | Original MC4-Evo 2 / MC4 compatible              |
| Cable        | 1200 mm (±20%) length and 4 mm² section          |
| Dimension    | 2278 x 1134 x 30 mm (±1%)                        |
| Area         | 2.58 m²                                          |
| Weight       | 31.5 kg                                          |
| Packaging    | 720 pcs/truck                                    |

### Temperature Coefficients

|                                              |                 |
|----------------------------------------------|-----------------|
| Temperature coefficient of Isc ( $\alpha$ )  | 0.04 %/°C       |
| Temperature coefficient of Voc ( $\beta$ )   | -0.23 %/°C      |
| Temperature coefficient of Pmax ( $\gamma$ ) | -0.28 %/°C      |
| Temperature range                            | -40 °C ~ +85 °C |
| Nominal operating cell temperature (NOCT)    | 45 ± 2 °C       |

|                             | MEPV 580          |         | MEPV 585 |         | MEPV 590 |         | MEPV 595 |         | MEPV 600 |         |
|-----------------------------|-------------------|---------|----------|---------|----------|---------|----------|---------|----------|---------|
| Electrical Characteristics  | STC               | NOCT    | STC      | NOCT    | STC      | NOCT    | STC      | NOCT    | STC      | NOCT    |
| Nominal power. Pmax         | 580 Wp            | 439 Wp  | 585 Wp   | 444 Wp  | 590 Wp   | 448 Wp  | 595 Wp   | 451 Wp  | 600 Wp   | 455 Wp  |
| Short-circuit current (Isc) | 14.18 A           | 11.52 A | 14.28 A  | 11.57 A | 14.41 A  | 11.65 A | 14.48 A  | 11.70 A | 14.57 A  | 11.72 A |
| Open-circuit voltage (Voc)  | 51.57 V           | 48.53 V | 51.66 V  | 48.68 V | 51.72 V  | 49.02 V | 51.73 V  | 49.11 V | 51.93 V  | 49.12 V |
| Maximum power current (Imp) | 13.39 A           | 10.91 A | 13.49 A  | 10.96 A | 13.58 A  | 11.03 A | 13.68 A  | 11.05 A | 13.76 A  | 11.11 A |
| Maximum power voltage (Vmp) | 43.33 V           | 40.26 V | 43.41 V  | 40.43 V | 43.48 V  | 40.58 V | 43.52 V  | 40.80 V | 43.65 V  | 40.93 V |
| Module efficiency           | 22.45%            |         | 22.65%   |         | 22.85%   |         | 23.03%   |         | 23.22 %  |         |
| Electrical Characteristics  | Bifacial gain 10% |         |          |         |          |         |          |         |          |         |
| Nominal power. Pmax         | 638 Wp            |         | 644 Wp   |         | 649 Wp   |         | 655 Wp   |         | 660 Wp   |         |
| Short-circuit current (Isc) | 15.60 A           |         | 15.70 A  |         | 15.85 A  |         | 15.93 A  |         | 16.03 A  |         |
| Open-circuit voltage (Voc)  | 51.57 V           |         | 51.66 V  |         | 51.72 V  |         | 51.73 V  |         | 51.93 V  |         |
| Maximum power current (Imp) | 14.72 A           |         | 14.82 A  |         | 14.93 A  |         | 15.04 A  |         | 15.12 A  |         |
| Maximum power voltage (Vmp) | 43.33 V           |         | 43.41 V  |         | 43.48 V  |         | 43.52 V  |         | 43.65 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)<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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