

Monocrystalline Photovoltaic Module »



MEPV 108 Nexa TOPCon

BLACK - STANDARD »
420/425/430/435 Wp

QUALITY »



N-type cell
Higher resistance to PID and LID



TOPCon
Technology to increase cell efficiency



Bifacial cell
Generates solar energy from both sides



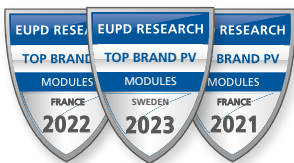
Double glass
Load endurance



Long durability
84,5% at the 30th year



Efficiency
430Wp - 435Wp

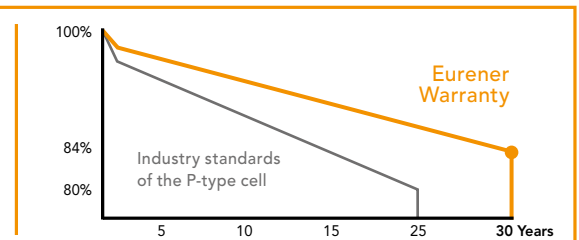


*** EUROPEAN QUALITY ***

WARRANTIES »

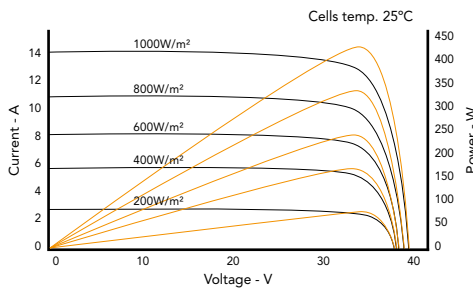
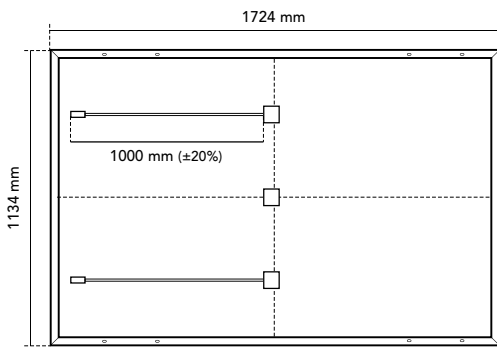
25 YEARS PRODUCT WARRANTY

30 YEARS PERFORMANCE WARRANTY
Linear Warranty



CERTIFICATES »





FRAME

Black / Silver anodized aluminium
Robust and resistant to corrosion

GLASS

Back Glass | 2 mm Solar glass
Front Glass | 2 mm Anti-reflective surface Solar glass

JUNCTION BOX

Sealed, robust and wide for heat dissipation
IP67/IP68 according to IEC 60529
Diodes by-pass built-in 3
Connector MC4
Cables 1000 mm (±20%) length and 4 mm² section

FRONTAL

Textured, extra-clear with low iron content
Frontal load (snow) 5400 Pa | Back load (wind) 2400 Pa

SOLAR CELLS

108 [2x (9x6)] N-type bifacial monocrystalline silicon cells

WEIGHT, DIMENSIONS AND PACKAGING

23,4 Kg | 1724 x 1134 x 30 mm (±1%) | Pack: 962 pcs-truck

ELECTRIC DATA »

| BLACK - STANDARD | MEPV 420 | MEPV 425 | MEPV 430 | MEPV 435 | | |
|--|---------------------|---|----------|----------|----------|----------|
| STC: 1000 W/m², module temperature 25°C, AM 1,5 | | | | | | |
| Nominal power. Pmax | 420 Wp | 425 Wp | 430 Wp | 435 Wp | | |
| Max. power tolerance. Pmax | 0 / +3 W | 0 / +3 W | 0 / +3 W | 0 / +3 W | | |
| Area of the module | 1,96 m ² | | | | | |
| Module efficiency | 21,48 % | 21,74 % | 22,00 % | 22,26 % | | |
| Isc | 14,08 A | 14,16 A | 14,26 A | 14,30 A | | |
| Voc | 38,09 V | 38,28 V | 38,42 V | 38,70 V | | |
| Imp | 13,34 A | 13,42 A | 13,52 A | 13,56 A | | |
| Vmp | 31,49 V | 31,68 V | 31,82 V | 32,09 V | | |
| NOCT: 800 W/m², ambient temperature 20°C, AM 1,5 | | | | | | |
| Nominal power. Pmax | 321,59 W | 325,49 W | 329,30 W | 333,25 W | | |
| Isc | 11,34 A | 11,41 A | 11,47 A | 11,54 A | | |
| Voc | 36,52 V | 36,70 V | 36,88 V | 37,06 V | | |
| Imp | 10,75 A | 10,81 A | 10,88 A | 10,94 A | | |
| Vmp | 29,92 V | 30,10 V | 30,27 V | 30,45 V | | |
| Operating parameters. Temperature coefficients | | Electrical characteristics with 10% rear side power gain | | | | |
| Maximum voltage | 1000 - 1500 V | Model | MEPV 420 | MEPV 425 | MEPV 430 | MEPV 435 |
| Maximum series fuse rating. Ir | 25 A | Pmax | 462,00 W | 467,50 W | 473,00 W | 478,50 W |
| α Isc | 0,044 % / °C | Isc | 15,43 A | 15,52 A | 15,63 A | 15,67 A |
| β Voc | - 0,276 % / °C | Voc | 38,09 V | 38,31 V | 38,49 V | 38,85 V |
| γ Pmax | - 0,360 % / °C | Imp | 14,63 A | 14,72 A | 14,82 A | 14,86 A |
| Temperature range | - 40°C ~ + 85 °C | Vmp | 31,58 V | 31,76 V | 31,91 V | 32,21 V |
| NOCT | 45 ± 2 °C | | | | | |

NOTE: Read the instruction manual of this product and follow the indications STC. Values are valid for: 1000W/m², AM 1,5 and cells temperature of 25°C. Measurement tolerance +/-3% (AAA Solar simulation -IEC 60.904-9-). All the information of this brochure may be amended without notice by Eurener. Eurener_MEPV 108_Nexa TOPCon_420-435Wp_EN_APR2023