

# Nexa

## Bif

MEPV 108 cells — Eurener PV Module

> 420/425/430/435 Wp



### N-type cell

Higher resistance to LID and LeTID



### TOPCon

Technology to increase cell efficiency



### Bifacial cell

Improved energy yield



### Easy to handle

Comfortable installation thanks to an optimized area size



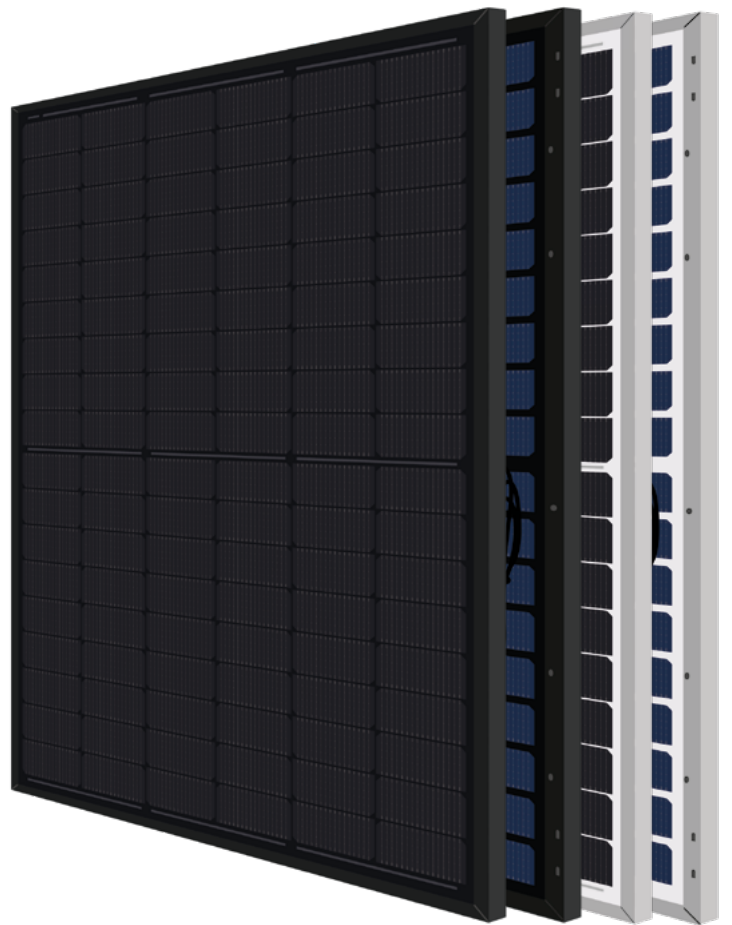
### Better temperature coefficient

Minimized thermal losses, improved efficiency



### Sustainable product

High percentage of recyclable materials



**25** Years

Product Warranty

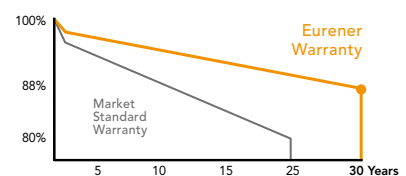
+5 years for Premium Partners

**30** Years

Performance Warranty

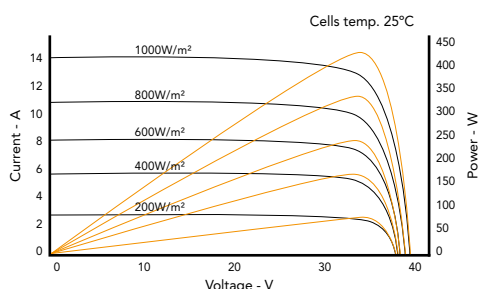
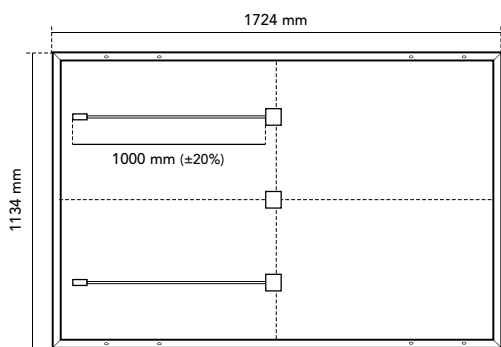
Linear Warranty

88% performance at 30 years





# Eurener MEPV 108 — NEXA Bif 420-435Wp



Mechanical Specification	
Solar cells	108 (6 x 18), N-Type bifacial monocrystalline silicon cells
Front Glass	2mm anti-reflective surface solar glass
Back Glass	2mm 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	1724 x 1134 x 30 mm (±1%)
Area	1,96 m <sup>2</sup>
Weight and packaging	23,4 kg, 962 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

Black - Standard	MEPV 420	MEPV 425	MEPV 430	MEPV 435
<b>STC: 1000 W/m2, module temperature 25°C, AM 1,5</b>				
Nominal power. Pmax	420 Wp	425 Wp	430 Wp	435 Wp
Module efficiency	21,49 %	21,75 %	22,01 %	22,26 %
Short-circuit current (Isc)	14,08 A	14,16 A	14,26 A	14,30 A
Open-circuit voltage (Voc)	38,09 V	38,28 V	38,42 V	38,70 V
Maximum power current (Imp)	13,34 A	13,42 A	13,52 A	13,56 A
Maximum power voltage (Vmp)	31,49 V	31,68 V	31,82 V	32,09 V
<b>NOCT: 800 W/m2, ambient temperature 20°C, AM 1,5</b>				
Nominal power. Pmax	321,64 W	325,38 W	329,33 W	333,12 W
Short-circuit current (Isc)	11,34 A	11,41 A	11,47 A	11,54 A
Open-circuit voltage (Voc)	36,52 V	36,70 V	36,88 V	37,06 V
Maximum power current (Imp)	10,75 A	10,81 A	10,88 A	10,94 A
Maximum power voltage (Vmp)	29,92 V	30,10 V	30,27 V	30,45 V
<b>Electrical characteristics with 10% rear side power gain</b>				
Nominal power. Pmax	462,00 W	467,50 W	473,00 W	478,50 W
Short-circuit current (Isc)	15,43 A	15,52 A	15,63 A	15,67 A
Open-circuit voltage (Voc)	38,09 V	38,31 V	38,49 V	38,85 V
Maximum power current (Imp)	14,63 A	14,72 A	14,82 A	14,86 A
Maximum power voltage (Vmp)	31,58 V	31,76 V	31,91 V	32,21 V
<b>Operating parameters</b>				
Maximum voltage	1000 - 1500 V			
Maximum series fuse rating. Ir	25 A			
Power output tolerance	0 - +3%			
Voc and Isc tolerance	±3%			
Fire rating	Class A (UL 790)			
Protection class	Class II (IEC 61140)			
Hail resistance	Ø 25mm at 23 m/s (IEC 61215)			
Mechanical loads	Front load 5400 Pa, Back load 2400 Pa			

NOTE: Read the instruction manual of this product and follow the indications STC. Values are valid for: 1000W/m<sup>2</sup>, 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 Bif\_420-435Wp\_EN\_JAN2024



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## Manufacturing a better world

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.