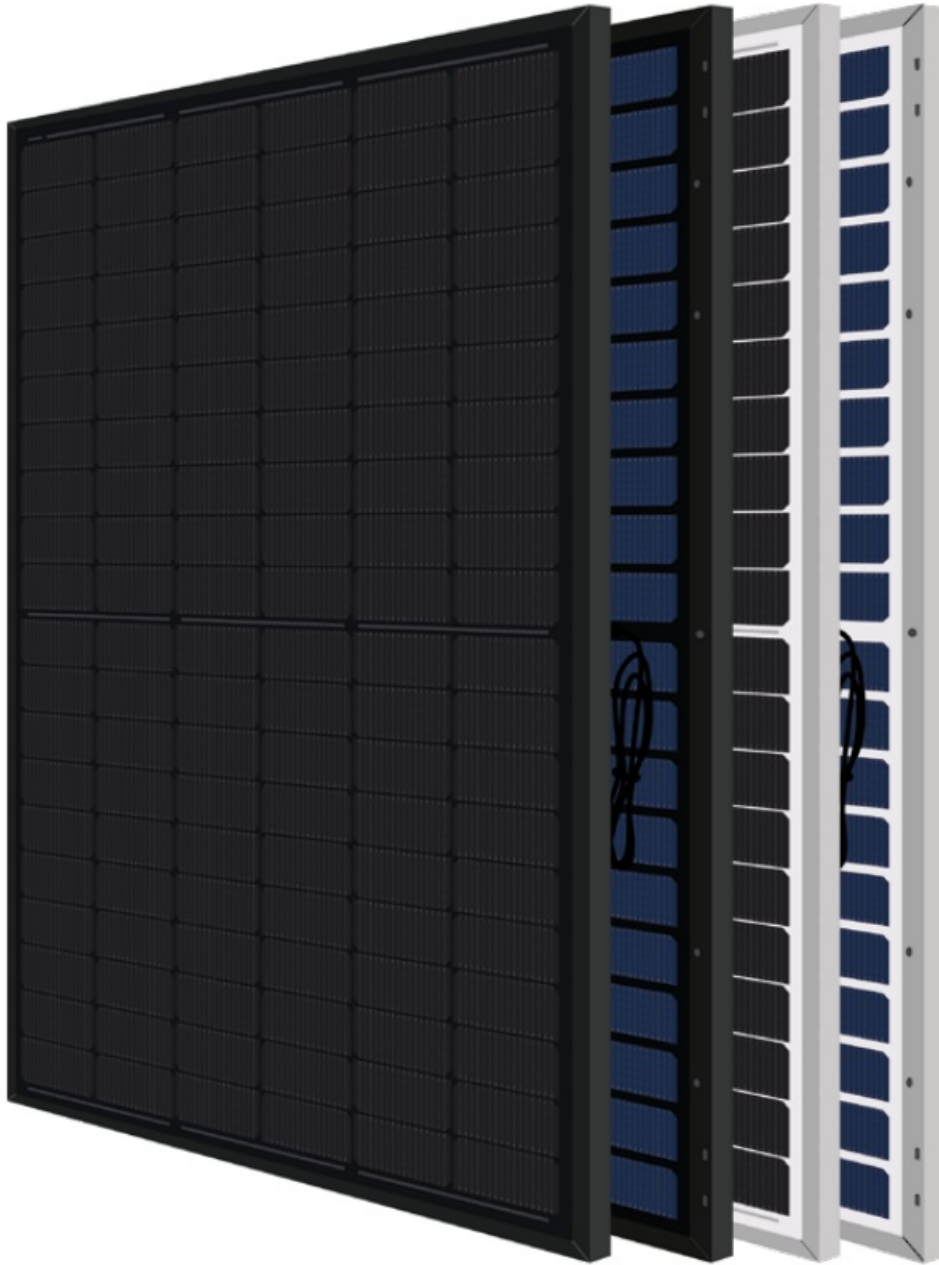


Eurener MEPV 120 Bif PV Module User Guide

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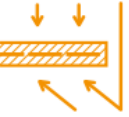
Eurener MEPV 120 Bif PV Module



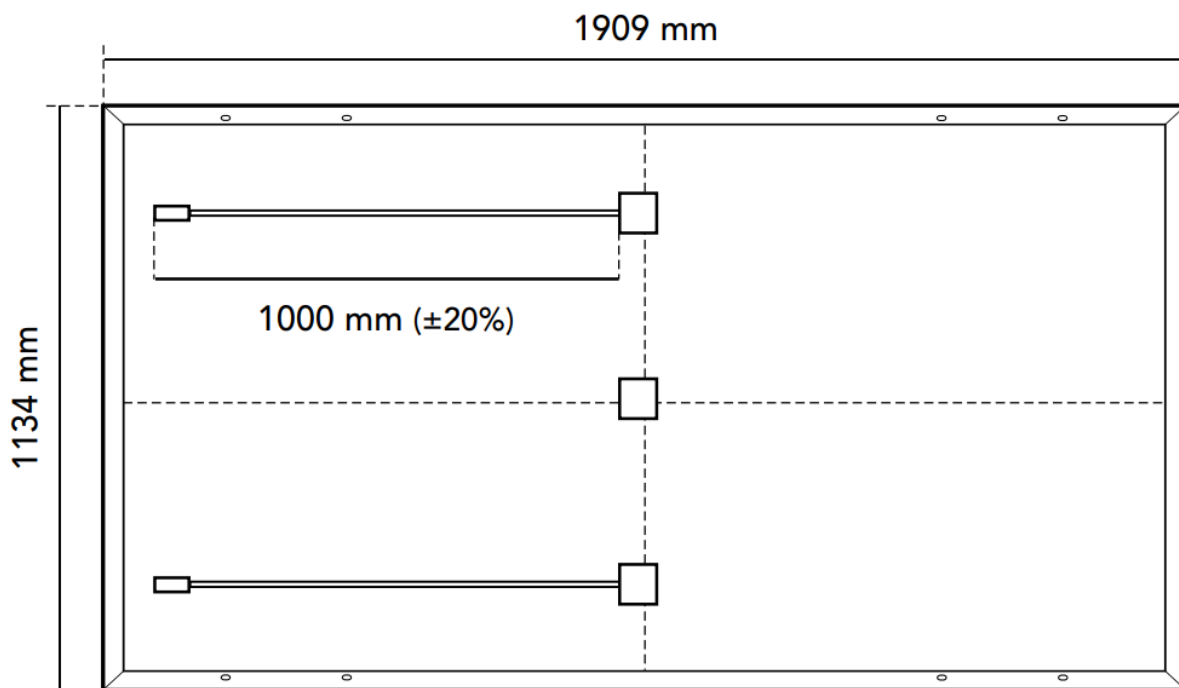
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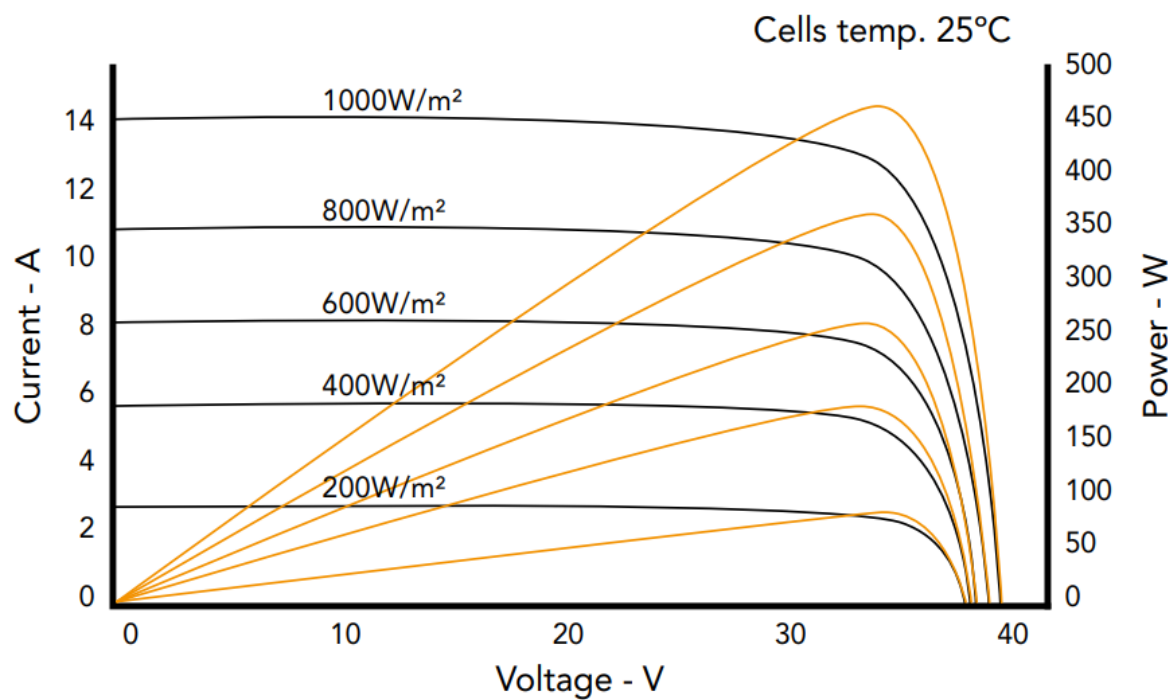
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Feature

	N-type cell Higher resistance to LID and LeTID
	TOPCon Technology to increase cell efficiency
	Bifacial cell Improved energy yield
	Super MBB Reduced resistance losses and improved current collection
	Better temperature coefficient Minimized thermal losses, improved efficiency
	Sustainable product High percentage of recyclable materials

Dimension





Mechanical Specification

Solar cells	120 (6 x 20), N-Type bifacial monocrystalline silicon cells
Front Glass	2mm anti-reflective surface solar glass
Back Glass	2mm solar glass
Frame	Black/silver anodized aluminum
Junction Box	IP68, 3 by-pass diodes
Connector	Original MC4-Evo 2
Cable	1000 mm ($\pm 20\%$) length and 4 mm ² section
Dimension	1909 x 1134 x 30 mm ($\pm 1\%$)
Area	2,16 m ²
Weight and packaging	25,9 kg, 864 pcs-truck

Temperature Coefficients

Temperature coefficient of I_{sc} (α)	0,045 %/°C
Temperature coefficient of V_{oc} (β)	-0,275 %/°C
Temperature coefficient of P_{max} (γ)	-0,29 %/°C
Temperature range	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	45 ± 2 °C

Black – Standard	MEPV 475	MEPV 480
STC: 1000 W/m², module temperature 25°C, AM 1,5		
Nominal power. P_{max}	475 Wp	480 Wp
Module efficiency	21,95 %	22,18 %
Short-circuit current (I_{sc})	14,24 A	14,34 A
Open-circuit voltage (V_{oc})	42,53 V	42,63 V
Maximum power current (I_{mp})	13,50 A	13,60 A
Maximum power voltage (V_{mp})	35,20 V	35,31 V
NOCT: 800 W/m², ambient temperature 20°C, AM 1,5		
Nominal power. P_{max}	357,14 W	360,97 W
Short-circuit current (I_{sc})	11,49 A	11,55 A
Open-circuit voltage (V_{oc})	40,41 V	40,57 V

Maximum power current (Imp)	10,79 A	10,85 A
Maximum power voltage (Vmp)	33,10 V	33,27 V
Electrical characteristic's with 10% rear side power gain		
Nominal power. Pmax	522,50 W	528,0 W
Short-circuit current (Isc)	15,61 A	15,72 A
Open-circuit voltage (Voc)	42,56 V	42,71 V
Maximum power current (Imp)	14,81 A	14,91 A
Maximum power voltage (Vmp)	35,29 V	35,41 V
Operating parameters		
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/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

Product Warranty

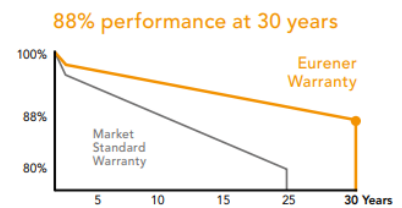


25 Years

Product Warranty
+5 years for Premium Partners

30 Years

Performance Warranty
Linear Warranty



Customer Support

eurener.com
contact@eurenerworld.com

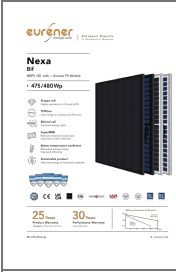
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Manufacturing a better world

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.



Documents / Resources



Nexa
MEPV 120 Bif - Bifacial PV Module
• 475-480Wp

25 Year Power Warranty
30 Year Limited Warranty

Eurener MEPV 120 Bif PV Module [pdf] User Guide

MEPV 120 Bif Eurener PV Module, MEPV 120, Bif Eurener PV Module, Eurener PV Module, PV Module, Module

References

- [User Manual](#)

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