

Icon Plus Bif

MEPV 144 cells — Eurener PV Module

> 550Wp



Bifacial cell
Improved energy yield



Anti-PID
Ensured PID resistance



Wider irradiance range
Improved performance under dawn, sunset and cloudy skies



Half cut technology
Better shading tolerance



Increased PV surface
Higher power output

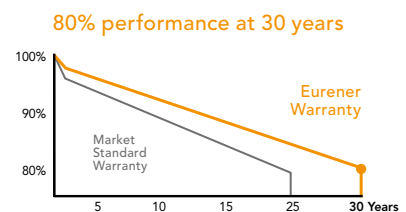


Sustainable product
High percentage of recyclable materials



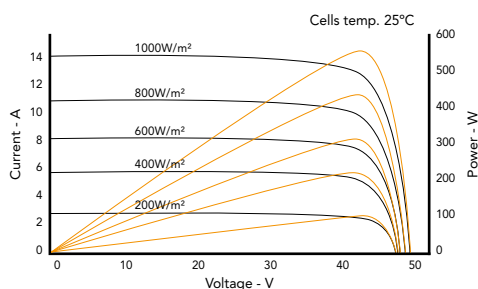
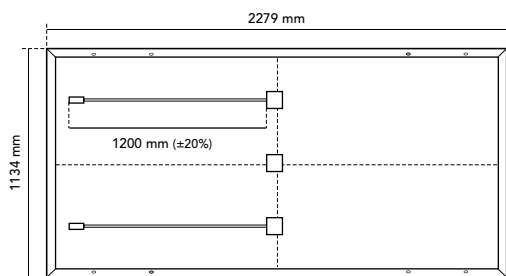
30 Years
Product Warranty

30 Years
Performance Warranty
Linear Warranty





Eurener MEPV 144 — ICON Plus Bif 550Wp



Mechanical Specification

Solar cells	144(6 x 24), bifacial monocrystalline silicon cells
Front Glass	2mm anti-reflective surface solar glass
Back Glass	2mm solar glass
Frame	Silver anodized aluminium
Junction Box	IP68, 3 by-pass diodes
Connector	Connector MC4 compatible
Cable	1200 mm (±20%) length and 4 mm ² section
Dimension	2279 x 1134 x 35 mm (±1%)
Area	2,58 m ²
Weight and packaging	33 kg, 620 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)	-0,34 %/°C
Temperature range	-40 °C ~ +85 °C
Nominal operating cell temperature (NOCT)	45 ± 2 °C

Standard

MEPV 550

STC: 1000 W/m², module temperature 25°C, AM 1,5

Nominal power. Pmax	550 Wp
Module efficiency	21,28 %
Short-circuit current (Isc)	14,30 A
Open-circuit voltage (Voc)	49,32 V
Maximum power current (Imp)	13,27 A
Maximum power voltage (Vmp)	41,45 V

NOCT: 800 W/m², ambient temperature 20°C, AM 1,5

Nominal power. Pmax	418,94 W
Short-circuit current (Isc)	11,52 A
Open-circuit voltage (Voc)	47,06 V
Maximum power current (Imp)	10,69 A
Maximum power voltage (Vmp)	39,19 V

Electrical characteristics with 10% rear side power gain

Nominal power. Pmax	605,00 W
Short-circuit current (Isc)	15,67 A
Open-circuit voltage (Voc)	49,50 V
Maximum power current (Imp)	14,54 A
Maximum power voltage (Vmp)	41,60 V

Operating parameters

Maximum voltage	1500 V
Maximum series fuse rating. Ir	20 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 amended without notice by Eurener.

Eurener_MEPV 144_ICON Plus Bif_550Wp_EN_JAN2024

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more than
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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.