

Monocrystalline Photovoltaic Module »



MEPV 132 ULTRA PREMIUM

BLACK » 440 Wp

QUALITY »



IBC technology
Interdigitated
back contact



N-type cell
132 Half-Cut IBC



Staubli MC4
Top quality components



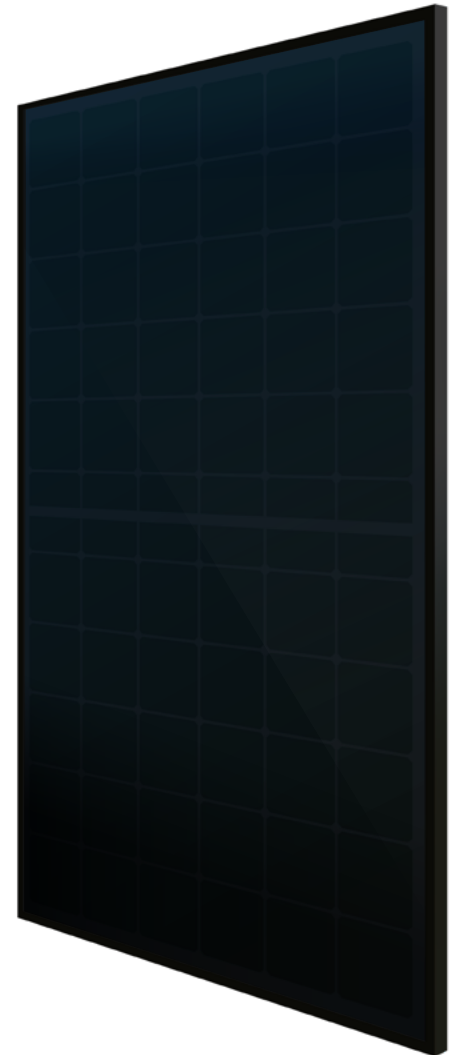
Premium integration
Total black



Long durability
90% at the 30th year



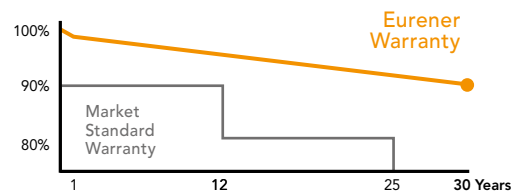
Efficiency
Over 22% efficiency



WARRANTIES »

20 YEARS PRODUCT WARRANTY
+5 years for Premium Partners

30 YEARS PERFORMANCE WARRANTY
Linear Warranty



CERTIFICATES »



TECHNICAL FEATURES »

Eurener_MEPV 132_ULTRA PREMIUM_440Wp_2022EN

FRAME

Black anodized aluminium

Robust and resistant to corrosion

CONNECTION BOX AND PROTECTIONS

Sealed, robust and wide for heat dissipation

IP68 according to IEC 60529

Diodes by-pass built-in (3/6)

Connector MC4

Application Class A. Safety Class II

Cables 1000 mm ($\pm 20\%$) length and 4 mm² section

FRONTAL

3,2 mm thick tempered glass with high strength and ARC

Textured, extra-clear with low iron content

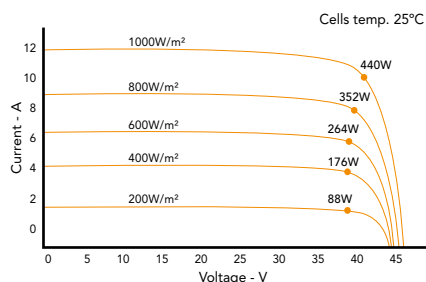
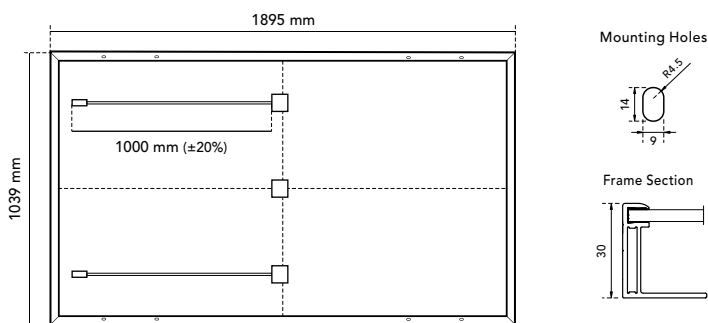
Frontal load (snow) 5400 Pa | Back load (wind) 2400 Pa

SOLAR CELLS

132 (22x6) cells monocrystalline silicon

WEIGHT, DIMENSIONS AND PACKAGING

21 Kg | 1895 x 1039 x 30 mm ($\pm 1\%$) | Pack: 900 pcs-truck



ELECTRIC DATA »

BLACK	MEPV 440
STC: 1000 W/m ² , module temperature 25°C, AM 1,5	
Nominal power. P _{max}	440 Wp
Max. power tolerance. P _{max}	0 / +5 W
Area of the module	1,96 m ²
Module efficiency	22,35 %
I _{sc}	12,06 A
V _{oc}	46,30 V
I _{mp}	11,12 A
V _{mp}	39,60 V
NOCT: 800 W/m ² , ambient temperature 20°C, AM 1,5	
Nominal power. P _{max}	332 W
I _{sc}	9,73 A
V _{oc}	44,40 V
I _{mp}	8,89 A
V _{mp}	37,00 V
Operating parameters. Temperature coefficients	
Maximum voltage	1500 V
Maximum series fuse rating. I _r	20 A
α I _{sc}	0,046 % / °C
β V _{oc}	- 0,246 % / °C
γ P _{max}	- 0,290 % / °C
Temperature range	- 40°C ~ + 85 °C
NOCT	43 \pm 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 $\pm 3\%$ (AAA Solar simulation -IEC 60.904-9-). All the information of this brochure may be amended without notice by Eurener. Eurener_MEPV 132_ULTRA PREMIUM_440Wp_EN_SEP2022

1997 to 2022
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ANNIVERSARY

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25 years 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.