

Monocrystalline Photovoltaic Module »



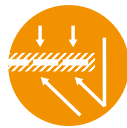
MEPV 144 BIFACIAL

STANDARD » 550Wp

QUALITY »



144 cells
Half-Cut monocrystalline



Bifacial PERC
Generates solar energy from both sides



Load endurance
Front load / Back load



Translucent
Light can pass through it



+5W
Positive power tolerance



+21% Efficiency
Over 21% efficiency



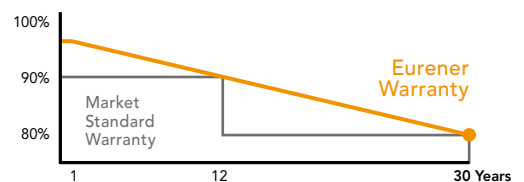
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*** EUROPEAN QUALITY

WARRANTIES »

30 YEARS PRODUCT WARRANTY

30 YEARS PERFORMANCE WARRANTY
Linear Warranty



CERTIFICATES »



TECHNICAL FEATURES »

Eurener_MEPV 144_BIFACIAL_550W_2022EN

FRAME

Silver anodized aluminium

Robust and resistant to corrosion

GLASS

Back Glass | 2 mm heat strengthened glass

Front Glass | 2mm heat strengthened glass

Deeply textured glass to reduce glare

Deflection: SLS load L/40 | ULS load L/30

CONNECTION BOX AND PROTECTIONS

Sealed, robust and wide for heat dissipation

IP67/IP68 according to IEC 60529

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

Connector MC4 compatible

Application Class A. Safety Class II

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

FRONTAL

Textured, extra-clear with low iron content

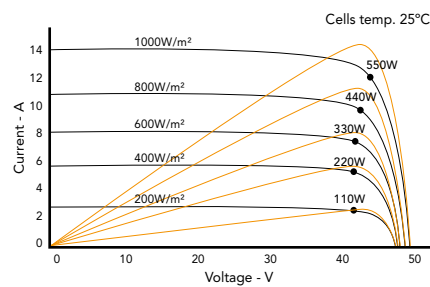
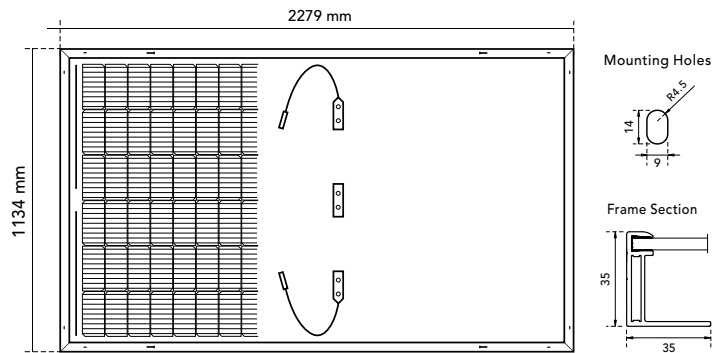
Frontal load (snow) 5400 Pa | Back load (wind) 2400 Pa

SOLAR CELLS

144 cells monocrystalline bi-facial

WEIGHT AND DIMENSIONS

29 Kg | 2279 x 1134 x 35 mm ($\pm 1\%$) | Pack: 620 pcs-truck



ELECTRIC DATA »

STANDARD		MEPV 550			
STC: 1000 W/m ² , module temperature 25°C, AM 1,5					
Nominal power. P _{max}		550 W			
Max. power tolerance. P _{max}		0 / +5 W			
Area of the module		2,58 m ²			
Module efficiency		21,28 %			
I _{sc}		14,30 A			
V _{oc}		49,32 V			
I _{mp}		13,27 A			
V _{mp}		41,45 V			
Double side power output (Max. power) - 10%		605 W			
Double side power output (Max. power) - 15%		632,50 W			
Double side power output (Max. power) - 20%		660 W			
Double side power output (Max. power) - 30%		715 W			
NOCT		42 ± 2 °C			
Maximum voltage: 1500 V	Maximum series fuse rating. I _r : 20 A	α I _{sc} : 0,04 % / °C	β V _{oc} : - 0,27 % / °C	γ P _{max} : - 0,34 % / °C	Temperature range: - 40°C ~ +85°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 144_BIFACIAL_550W_EN_SEP2022

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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.