

Monocrystalline Photovoltaic Module »



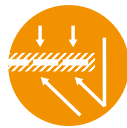
MEPV 144 BIFACIAL

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

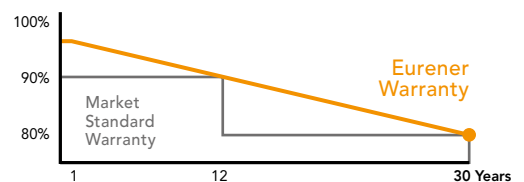


*** EUROPEAN QUALITY ***

WARRANTIES »

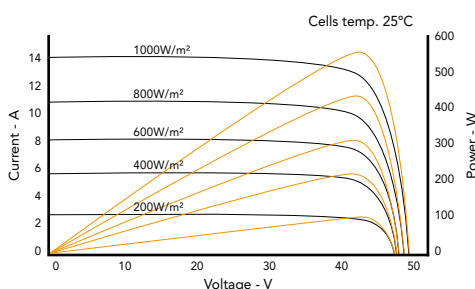
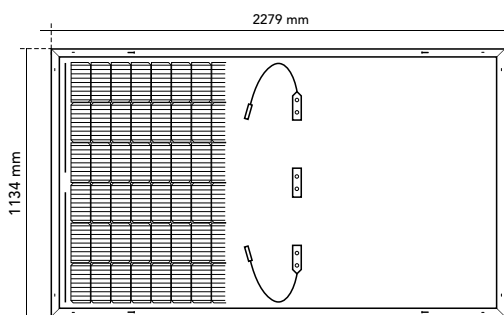
30 YEARS PRODUCT WARRANTY

30 YEARS PERFORMANCE WARRANTY
Linear Warranty



CERTIFICATES »





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

JUNCTION BOX

Sealed, robust and wide for heat dissipation

IP67/IP68 according to IEC 60529

Diodes by-pass built-in 3

Connector MC4 compatible

Cables 1200 mm (±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 bi-facial cells monocrystalline

WEIGHT AND DIMENSIONS

33 Kg | 2279 x 1134 x 35 mm (±1%) | Pack: 620 pcs-truck

ELECTRIC DATA »

BLACK - STANDARD		MEPV 550	
STC: 1000 W/m ² , module temperature 25°C, AM 1,5			
Nominal power. Pmax		550 W	
Max. power tolerance. Pmax		0 / +5 W	
Area of the module		2,58 m ²	
Module efficiency		21,28 %	
Isc		14,30 A	
Voc		49,32 V	
Imp		13,27 A	
Vmp		41,45 V	
NOCT: 800 W/m ² , ambient temperature 20°C, AM 1,5			
Nominal power. Pmax		418,94 W	
Isc		11,52 A	
Voc		47,06 V	
Imp		10,69 A	
Vmp		39,19 V	
Operating parameters. Temperature coefficients		Electrical characteristics with 10% rear side power gain	
Maximum voltage	1500 V	Model	MEPV 550
Maximum series fuse rating. Ir	20 A	Pmax	605,00 W
α Isc	0,04 % / °C	Isc	15,67 A
β Voc	- 0,27 % / °C	Voc	49,50 V
γ Pmax	- 0,34 % / °C	Imp	14,54 A
Temperature range	- 40°C ~ + 85 °C	Vmp	41,60 V
NOCT	45 ± 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 +/-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_AUG2023



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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.