

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



Efficiency
Over 21% efficiency

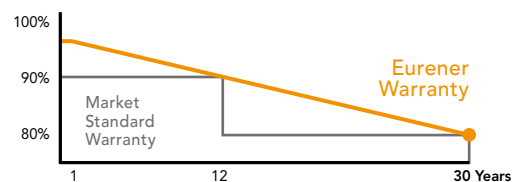


*** EUROPEAN QUALITY

WARRANTIES »

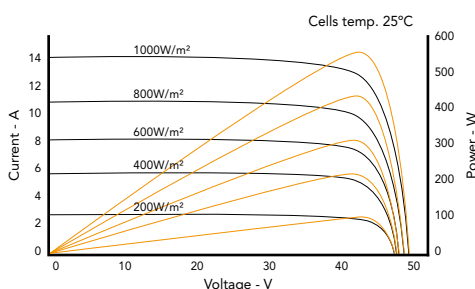
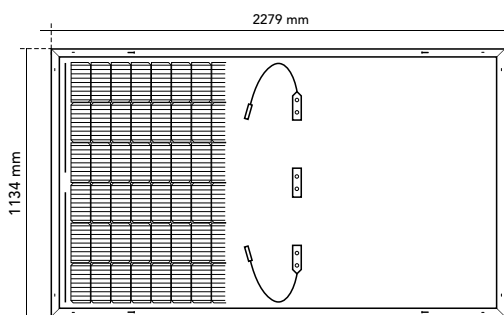
30 YEARS PRODUCT WARRANTY

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 1000 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

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

ELECTRIC DATA »

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		21,68 %			
Isc		14,30 A			
Voc		49,32 V			
Imp		13,27 A			
Vmp		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. Ir: 20 A	α Isc: 0,04 % / °C	β Voc: - 0,27 % / °C	γ Pmax: - 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_JAN2023



www.eurenergroupp.com
 contact@eurenerworld.com
 +34 960 045 515
 Calle Colón, 1-23
 46004, Valencia. Spain

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.