

Monocrystalline Photovoltaic Module »



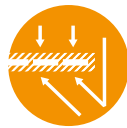
# MEPV 144 BIFACIAL

STANDARD » 540 / 550 Wp

## 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 20% efficiency



1997 to 2022  
**25<sup>TH</sup>**  
ANNIVERSARY

\*\*\* EUROPEAN QUALITY \*\*\*

## WARRANTIES »

**15** YEARS PRODUCT WARRANTY

**25** YEARS PERFORMANCE WARRANTY  
Linear Warranty

PRODUCT WARRANTY  
for Premium Partners

**+5**  
YEARS

## CERTIFICATES »



## TECHNICAL FEATURES »

### Eurener\_MEPV 144\_BIFACIAL\_540-550W\_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 mm<sup>2</sup> section

#### FRONTAL

Textured, extra-clear with low iron content

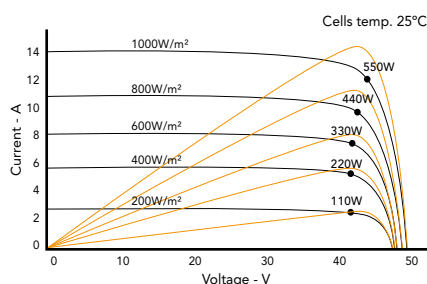
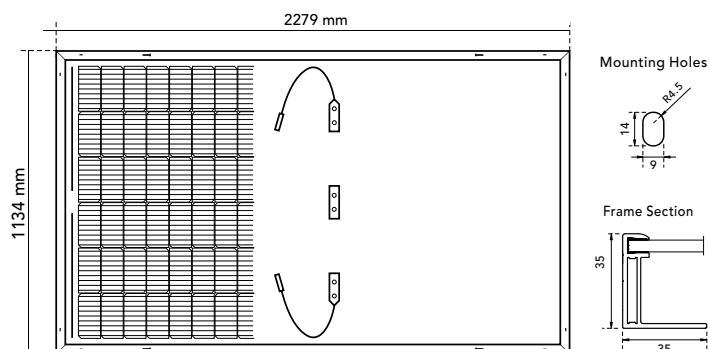
Frontal load (snow) 5.400 Pa | Back load (wind) 2.400 Pa

#### SOLAR CELLS

144 cells monocrystalline bi-facial

#### WEIGHT AND DIMENSIONS

32,9 Kg | 2279 x 1134 x 35 mm ( $\pm 1\%$ )



## ELECTRIC DATA »

STANDARD		MEPV 540	MEPV 550		
Nominal power. P <sub>mpp</sub>		540 W	550 W		
Tolerance. P <sub>mpp</sub>		0 / +5 W	0 / +5 W		
Area of the module		2,58 m <sup>2</sup>			
Module efficiency		20,89 %	21,28 %		
I <sub>sc</sub>		14,06 A	14,30 A		
V <sub>oc</sub>		49,24 V	49,32 V		
I <sub>mp</sub>		13,05 A	13,27 A		
V <sub>mp</sub>		41,38 V	41,45 V		
Double side power output (Max. Power) - 10%		594 W	605 W		
Double side power output (Max. Power) - 15%		621 W	632,50 W		
Double side power output (Max. Power) - 20%		648 W	660 W		
Double side power output (Max. Power) - 30%		702 W	715 W		
NOCT		42 $\pm$ 2 °C			
Maximum voltage: 1.500 V	Maximum series fuse rating. I <sub>r</sub> : 20 A	$\alpha$ I <sub>sc</sub> : 0,04 % / °C	$\beta$ V <sub>oc</sub> : -0,27 % / °C	$\gamma$ P <sub>max</sub> : -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/m<sup>2</sup>, 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\_540-550W\_EN\_MAR2022

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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.