

Monocrystalline Photovoltaic Module »



# MEPV 144 HALF-CUT PLUS

## STANDARD » 550 Wp

### QUALITY »



**Optimal performance**  
Power and efficiency



**Reduced BOS**  
Cost effective product



**+5W**  
Positive power tolerance



**FIRE CLASS I**  
UNI 9177  
**Fire resistance**  
Maximum protection



**Avoid losses**  
Better shading tolerance



**+21%**  
**Efficiency**  
Over 21% efficiency

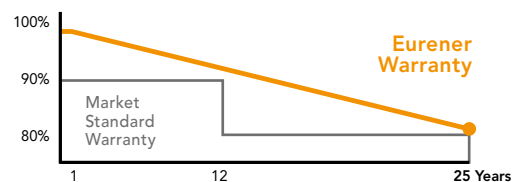


\*\*\* EUROPEAN QUALITY \*\*\*

### WARRANTIES »

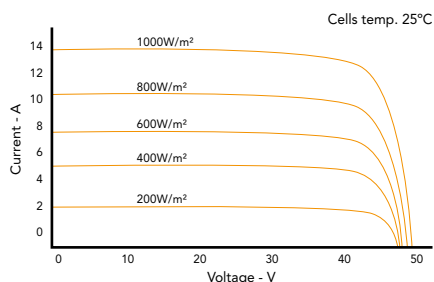
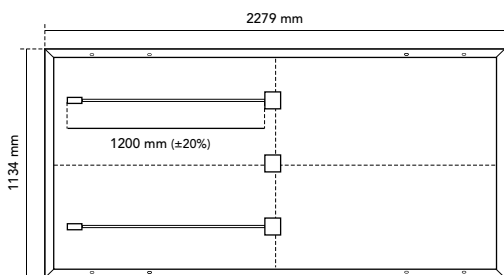
**20 YEARS PRODUCT WARRANTY**  
+5 years for Premium Partners

**25 YEARS PERFORMANCE WARRANTY**  
Linear Warranty



### CERTIFICATES »





### FRAME

Silver anodized aluminium

Robust and resistant to corrosion

### 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 mm<sup>2</sup> 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

144 [2x(12x6)] cells monocrystalline silicon

### WEIGHT AND DIMENSIONS

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

## ELECTRIC DATA »

| STANDARD   | MEPV 550            |
|--|---------------------|
| <b>STC: 1000 W/m<sup>2</sup>, module temperature 25°C, AM 1,5</b>  |                     |
| Nominal power. Pmax  | 550 Wp              |
| Max. power tolerance. Pmax   | 0 / +5 W            |
| Area of the module   | 2,58 m <sup>2</sup> |
| Module efficiency  | 21,30 %             |
| Isc  | 13,93 A             |
| Voc  | 49,97 V             |
| Imp  | 13,12 A             |
| Vmp  | 41,95 V             |
| <b>NOCT: 800 W/m<sup>2</sup>, ambient temperature 20°C, AM 1,5</b> |                     |
| Nominal power. Pmax  | 417,32 W            |
| Isc  | 11,24 A             |
| Voc  | 47,41 V             |
| Imp  | 10,60 A             |
| Vmp  | 39,39 V             |
| <b>Operating parameters. Temperature coefficients</b>              |                     |
| Maximum voltage  | 1000 - 1500 V       |
| Maximum series fuse rating. Ir                                     | 25 A                |
| α Isc  | 0,047 % / °C        |
| β Voc  | - 0,27 % / °C       |
| γ Pmax   | - 0,34 % / °C       |
| Temperature range  | - 40°C ~ + 85 °C    |
| NOCT   | 44 ± 2 °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.  
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