

Polycrystalline Photovoltaic Module »



# PEPV 60 SUPERIOR

STANDARD - BICOLOUR »  
280 / 285 Wp

## QUALITY »



**60 cells**  
Polycrystalline



**Long durability**  
Continuous performance



**+5W**  
Positive power tolerance



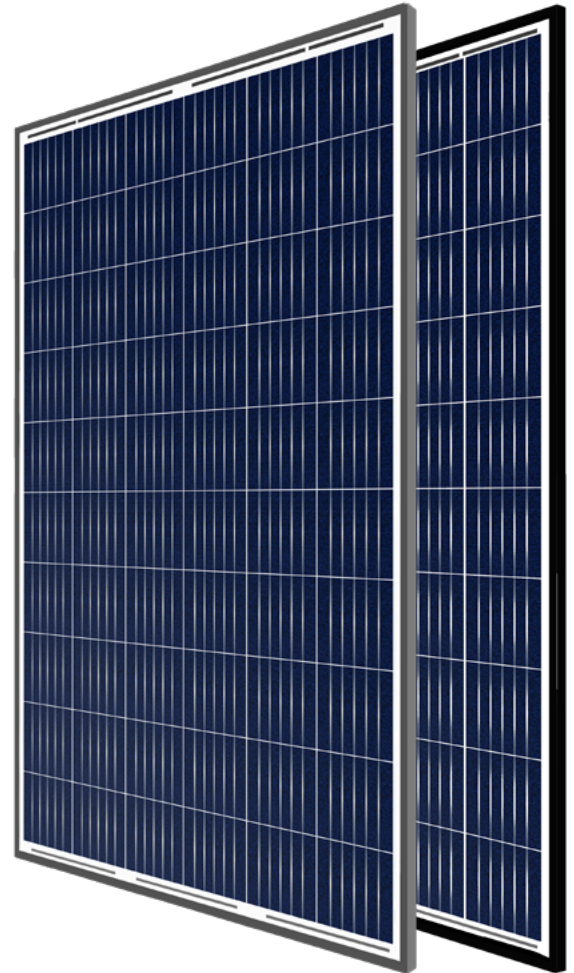
**Fire resistance**  
Maximum protection



**Proven technology**  
More reliable



**Optimal performance**  
Power and efficiency

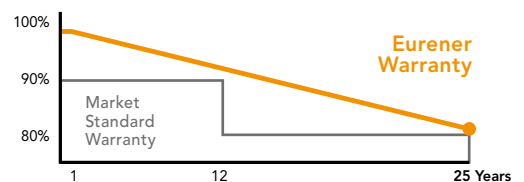


\*\*\* EUROPEAN QUALITY \*\*\*

## WARRANTIES »

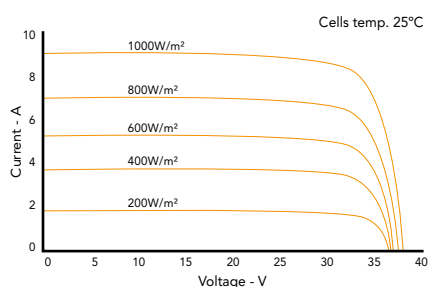
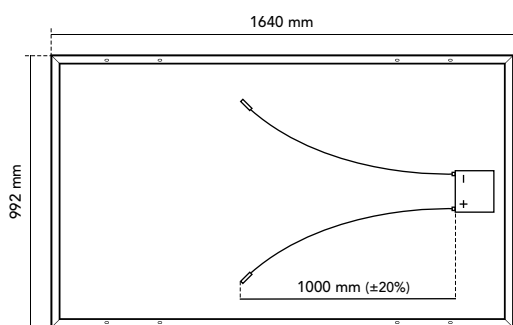
**20 YEARS PRODUCT WARRANTY**  
+5 years for Premium Partners

**25 YEARS PERFORMANCE WARRANTY**  
Linear Warranty



## CERTIFICATES »





### FRAME

Black / 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 1000 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

60 cells polycrystalline silicon

### WEIGHT AND DIMENSIONS

18,50 Kg | 1640 x 992 x 35 mm (±1%) | Pack: 924 pcs-truck

## ELECTRIC DATA »

STANDARD - BICOLOUR	PEPV 280	PEPV 285
<b>STC: 1000 W/m<sup>2</sup>, module temperature 25°C, AM 1,5</b>		
Nominal power. P <sub>max</sub>	280 W <sub>p</sub>	285 W <sub>p</sub>
Max. power tolerance. P <sub>max</sub>	0 / +5 W	0 / +5 W
Area of the module	1,62 m <sup>2</sup>	
Module efficiency	17,22 %	17,52 %
I <sub>sc</sub>	9,40 A	9,49 A
V <sub>oc</sub>	38,20 V	38,30 V
I <sub>mp</sub>	8,92 A	9,02 A
V <sub>mp</sub>	31,40 V	31,60 V
<b>NOCT: 800 W/m<sup>2</sup>, ambient temperature 20°C, AM 1,5</b>		
Nominal power. P <sub>max</sub>	211,11 W	214,83 W
I <sub>sc</sub>	7,59 A	7,66 A
V <sub>oc</sub>	36,12 V	36,21 V
I <sub>mp</sub>	7,20 A	7,28 A
V <sub>mp</sub>	29,32 V	29,51 V
<b>Operating parameters. Temperature coefficients</b>		
Maximum voltage	1000 - 1500 V	
Maximum series fuse rating. I <sub>r</sub>	15 A	
α I <sub>sc</sub>	0,051 % / °C	
β V <sub>oc</sub>	- 0,321 % / °C	
γ P <sub>max</sub>	- 0,41 % / °C	
Temperature range	- 40°C ~ + 85 °C	
NOCT	42 ± 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. Eurener\_PEPV 60\_SUPERIOR\_280-285Wp\_EN\_AUG2023

