



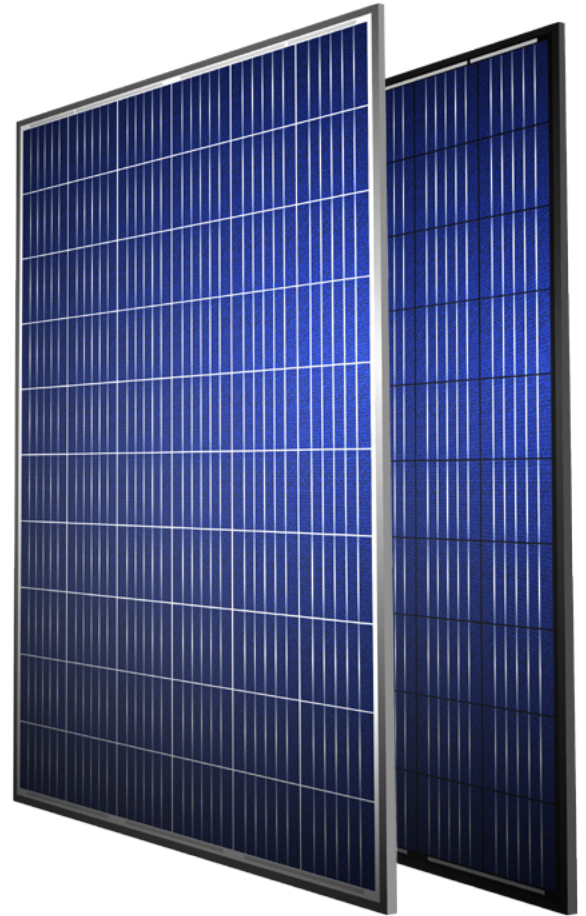
## PEPV 280-285W Lhomann tape | 5 Busbar | 6 Diodes

### Quality

- / Subjected to test electroluminescence
- / IP65 + 1 m cable
- / High transmissivity glass and high resistance
- / Frame with higher mechanical strength and air chamber
- / Friendly environment & recyclable materials

### Certificates

- / IEC 61215:2005
- / IEC 61730-1:2004 / IEC 61730-2:2004
- / Frontal load (snow) 5.400 Pa
- / Back load (wind) 2.400 Pa
- / Fire Resistance Certificate / Class II (under standard UNI 9177)
- / MCS (UK)
- / EE016-20130528-001 (France)
- / WEEE compliance in Germany
- / ETL Listed Mark (USA)
- / PID resistant



**TOTAL 60**  
+ 15 YEARS WARRANTY  
+ 20 YEARS EXPERIENCE  
+ 25 YEARS PERFORMANCE

### PHOTON Laboratory talks about our modules:

"Eurener is one of the oldest module manufacturers in Europe: the Spanish company was founded in 1997. [...] Is distinguished by having values that are over the average: the temperature coefficient is quite better than other modules that are in the test field. The curve behavior at different irradiance conditions shows a marked efficiency increase in radiations from medium to high, and a slight drop in efficiency at low irradiance conditions. These factors show that this module could reach higher performance than the average in long-term measurements".



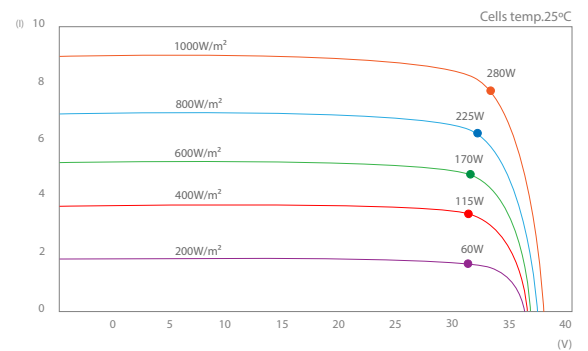
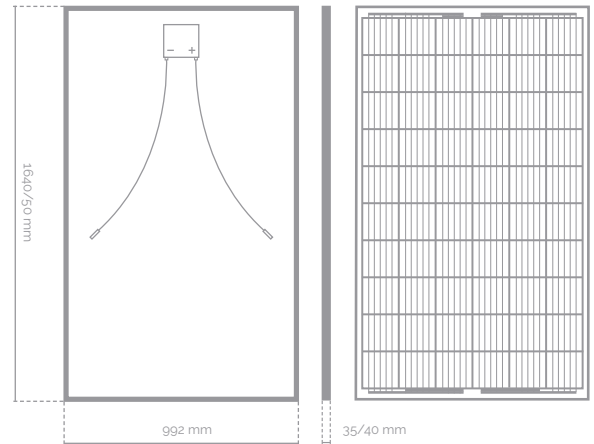
# SUPERIOR

Polycrystalline Standard - All Black / 280 / 285 W



### Technical features

Frame
Silver anodized aluminium 0,015 mm
Free silicone (Lhomann tape)
Robust and resistant to corrosion
Built-in plug
Connection box
Sealed, robust and wide for heat dissipation
IP65 according to IEC 60529
Diodes by-pass built-in (6) for protection of the partial shading
Connector MC4 or compatible, easy and rapid connection
Cables 1 meter length and 4mm <sup>2</sup> section
Reaction to Fire Class II (conformity to UNI 9177 norm)
Frontal
3,2 mm tempered glass
Textured, extra-clear with low iron content
Solar cells
60 cells polycrystalline silicon / 156x156 mm
Weight and dimensions (L x W) +/-1% mm
20 Kg   1640/50 x 992 x 35/40 mm



### Electric data

Standard - All Black	SUPERIOR - PEPV 280W	SUPERIOR - PEPV 285W
Nominal power, P <sub>mp</sub>	280W	285W
Tolerance, P <sub>mp</sub>	± 1%	± 1%
Area of the module	1,62	
Module efficiency	17,28%	17,59%
I <sub>sc</sub>	9,25 A	9,31 A
U <sub>oc</sub>	39,10 V	39,38 V
I <sub>mp</sub>	8,85 A	8,97 A
U <sub>mp</sub>	31,65 V	31,77 V
Maximum voltage	1000 V	
I <sub>sc</sub>	0,075% / °C	
U <sub>oc</sub>	- 0,312% / °C	
g P <sub>max</sub>	- 0,41% / °C	
Temperature range	- 40°C to +85°C	
NOCT	44°C ± 2°C	

NOTE: Read the instruction manual of this product and follow the indications. Values are valid for: 1000W/m<sup>2</sup>, AM 1.5 and cell's temperature of 25°C. All the information of this brochure may be amended without notice by Eurener.