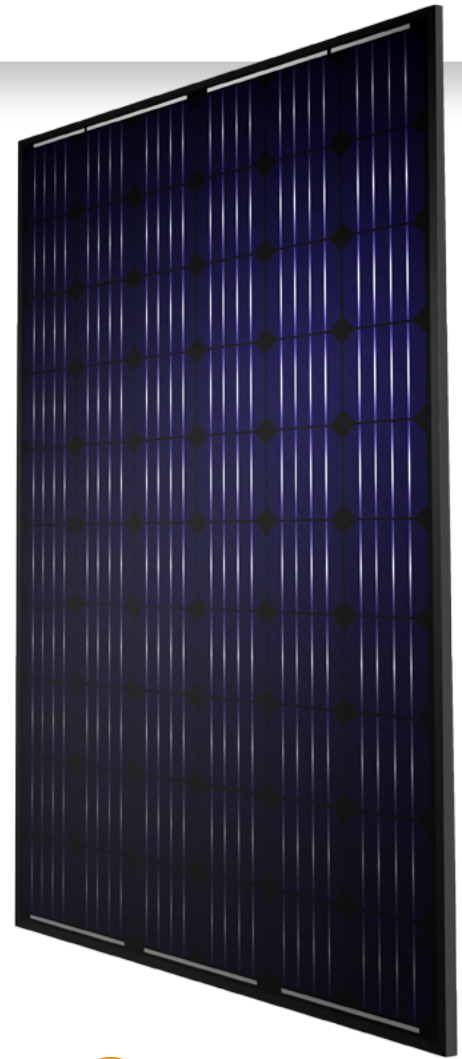




20 years of experience  
12 years product warranty



#### 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)

**+3%** Extra power  
extra up to 3%  
extra up to 7W

**12** Warranty product  
12 years for product  
20 years of experience

**25** Performance warranty  
High performance  
25 years of warranty

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."*



# TURBO

The most powerful module of the world / 300 - 315 w

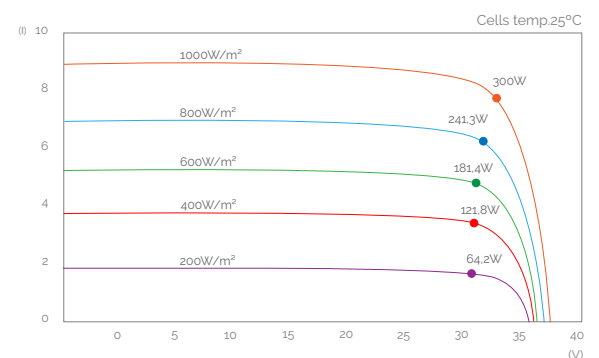
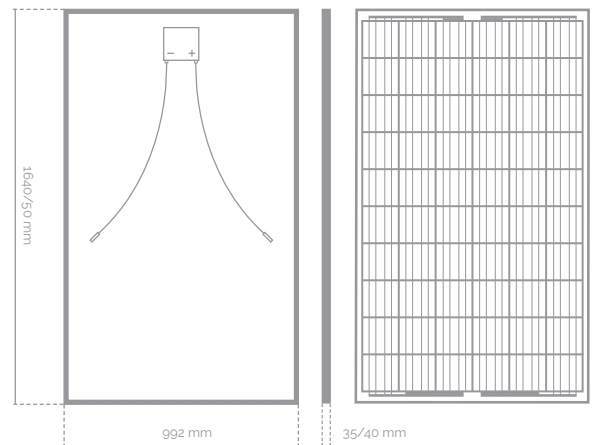
★ ★ ★ ★  
★ ★ ★ ★ EUROPEAN QUALITY  
★ ★ ★ ★

**eurener**  
energía solar



### Technical features

Frame
Silver anodized aluminium 0,015 mm
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 (3) 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 monocrystalline silicon / 156x156 mm
Weight and dimensions (L x W) +/-1% mm
20 Kg   1640/50 x 992 x 35/40 mm



### Electric data

	TURBO300 / Standard - Black	TURBO310 / Standard - Black	TURBO315 / Standard - Black
Nominal power, P <sub>mpp</sub>	300 W	310 W	315 W
Tolerance, P <sub>mpp</sub>	± 3%		
Area of the module	1,62		
Module efficiency	18,45%	19,09%	19,39%
I <sub>sc</sub>	9,63 A	9,86 A	9,92 A
U <sub>oc</sub>	40,71 V	39,21 V	41,21 V
I <sub>mpp</sub>	9,11 A	9,62 A	9,71 A
U <sub>mpp</sub>	32,94 V	32,29 V	32,48 V
Maximum voltage	1000 V		
α I <sub>sc</sub>	0,039% / °C		
β U <sub>oc</sub>	- 0,29% / °C		
γ P <sub>max</sub>	- 0,42% / °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.

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