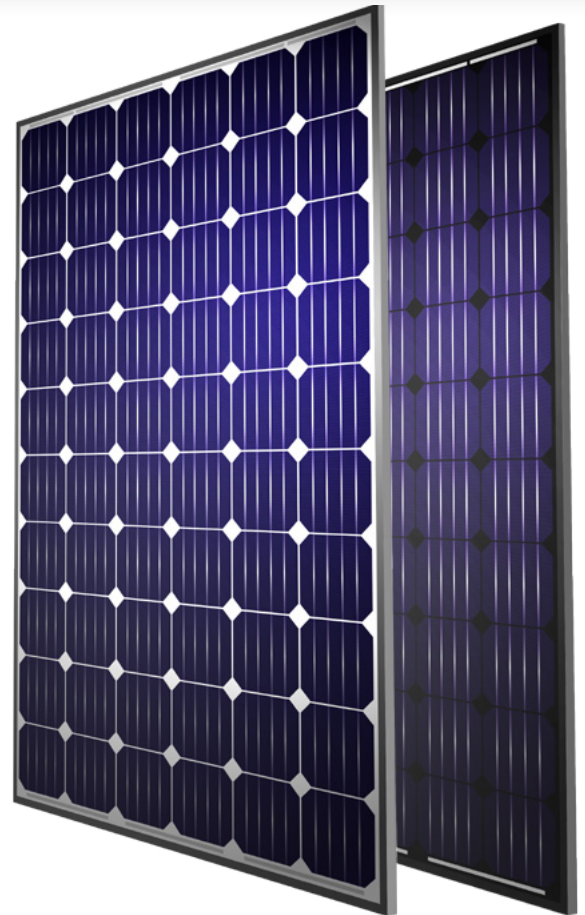




20 years of experience  
15 years product warranty



#### 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)

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



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

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

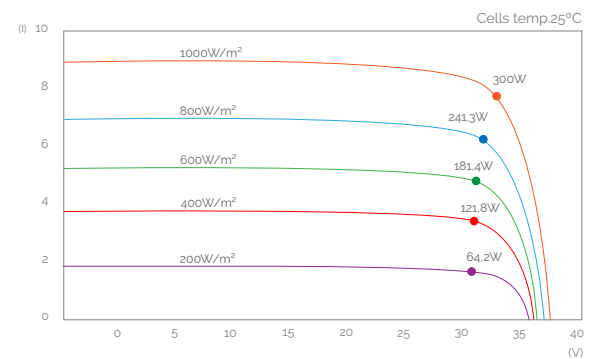
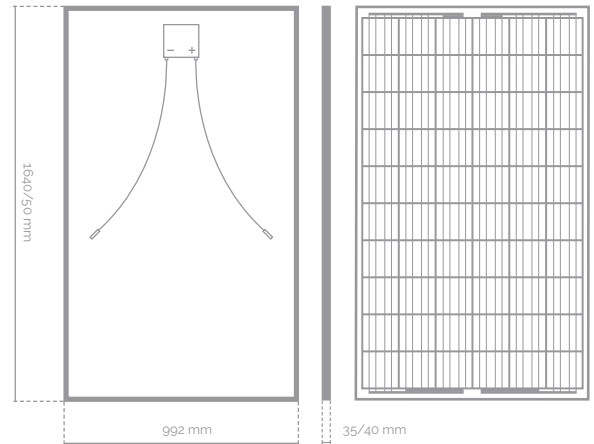
The most powerful module of the world / 300 - 320 w





### Technical features

Frame
Silver anodized aluminium 0,015 mm
Robust and resistant to corrosion
Free silicone (Lhomann tape)
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

Standard - All Black	TURBO 300	TURBO 310	TURBO 315	TURBO 320
Nominal power, P <sub>mp</sub>	300 W	310 W	315 W	320 W
Tolerance, P <sub>mp</sub>	+ 3%			
Area of the module	1,62			
Module efficiency	18,52%	19,14%	19,44%	19,75%
I <sub>sc</sub>	9,63 A	9,71 A	9,81 A	9,98 A
U <sub>oc</sub>	40,24 V	40,50 V	40,81 V	41,71 V
I <sub>mp</sub>	9,22 A	9,40 A	9,50 A	9,60 A
U <sub>mp</sub>	32,54 V	32,98 V	33,16 V	33,33 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.

Sales Office:  
Av. Marqués de Sotelo, 1-4<sup>a</sup>  
46002 Valencia (Spain)  
  
Tel. +34 96 004 55 15  
comercial@eurenergroupp.com

