



20 years of experience  
15 years warranty product

#### Quality

- / Subjected to test electroluminescence
- / IP65 + 1'25m 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

**+3%**

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".*



# PEPV 333

Polycrystalline Standard - All Black / 280 / 290 / 300 / 310 / 320 / 333 W

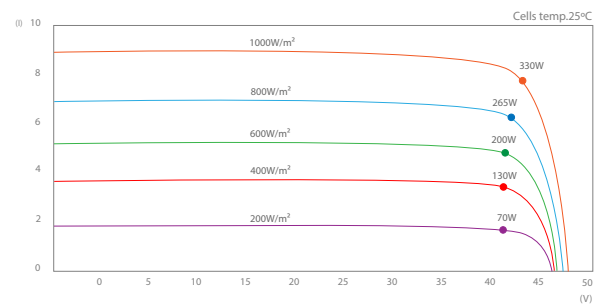
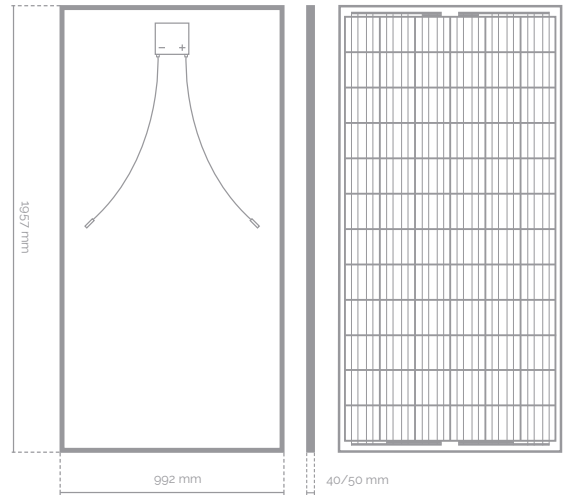
★ ★ ★ ★  
★ ★ ★ ★ EUROPEAN QUALITY  
★ ★ ★ ★

**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 1.25 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
72 cells polycrystalline silicon / 156x156 mm
Weight and dimensions (L x W) +/-1% mm
24 Kg   1957 x 992 x 40/50 mm



### Electric data

Standard - All Black	PEPV 280	PEPV 290	PEPV 300	PEPV 310	PEPV 320	PEPV 333
Nominal power, P <sub>mpp</sub>	280W	290 W	300 W	310 W	320 W	330 W
Tolerance, P <sub>mpp</sub>	0 / +3%	0 / +3%	0 / +3%	0 / +3%	0 / +3%	± 1%
Area of the module	194					
Module efficiency	14,43 %	14,95%	15,46%	15,98%	16,49%	17,01%
I <sub>sc</sub>	8,40 A	8,58 A	8,71 A	8,86 A	9,05 A	9,36 A
U <sub>oc</sub>	44,71 V	45,19 V	45,58 V	46,00 V	46,28 V	46,58 V
I <sub>mp</sub>	7,80 A	7,97 A	8,13 A	8,32 A	8,49 A	8,71A
U <sub>mpp</sub>	35,90 V	36,39 V	36,90 V	37,26 V	37,69 V	37,89 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.