



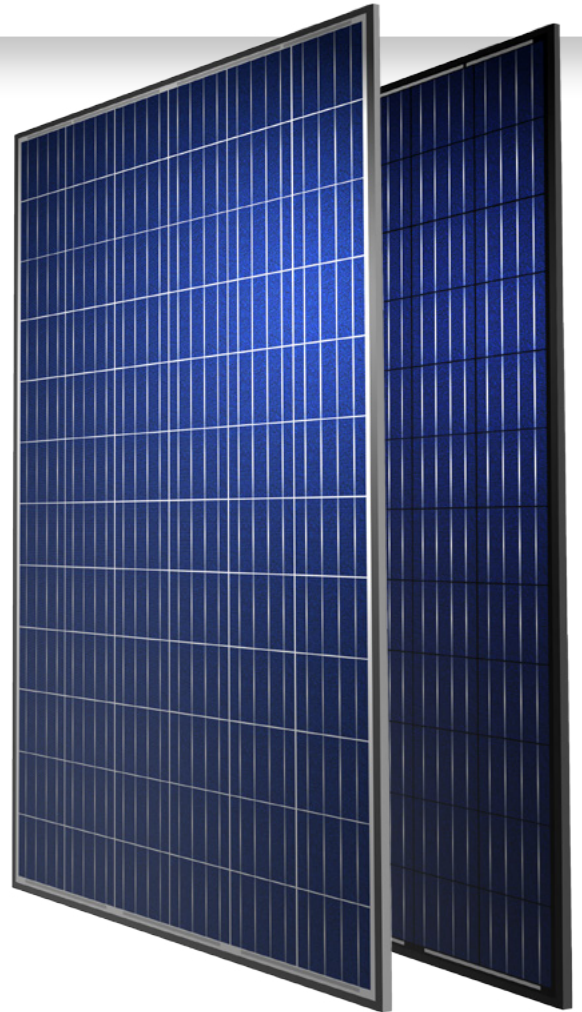
20 years of experience  
15 years warranty product

#### 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 I (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

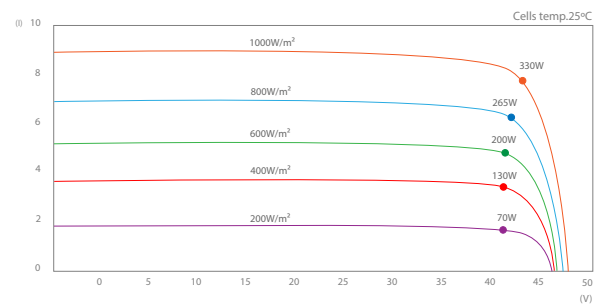
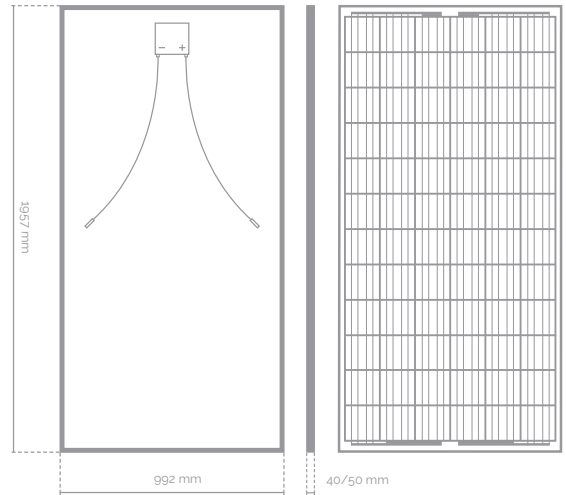
Polycrystalline Standard - All Black / 280 / 290 / 300 / 310 / 320 / 333 W





### 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 I (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<br>(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>mp</sub> | 280W            | 290 W    | 300 W    | 310 W    | 320 W    | 330 W    |
| Tolerance, P <sub>mp</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>mp</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.

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