



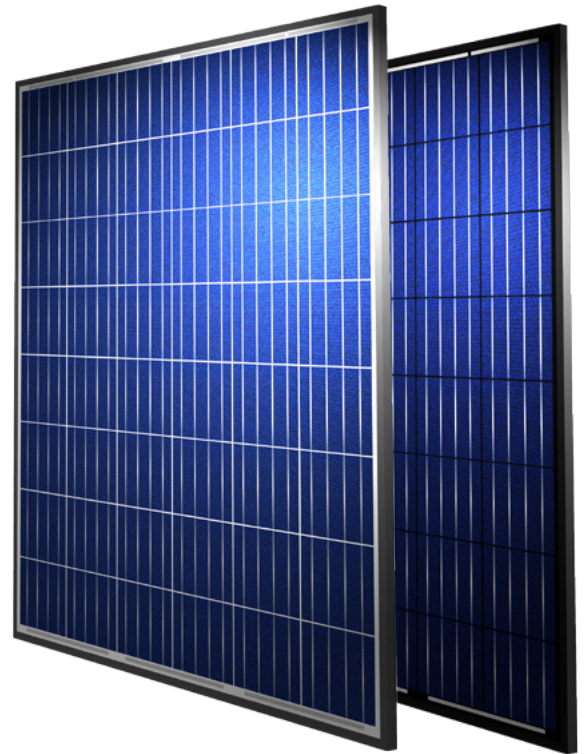
EUROPEAN QUALITY

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 I (under standard UNI 9177)
- / MCS (UK)
- / EE016-20130528-001 (France)
- / WEEE compliance in Germany
- / ETL Listed Mark (USA-Canada)
- / 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 - Polycrystalline

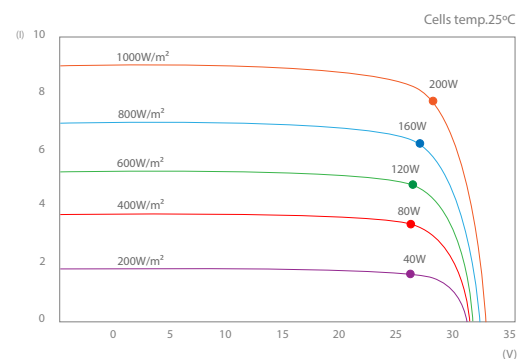
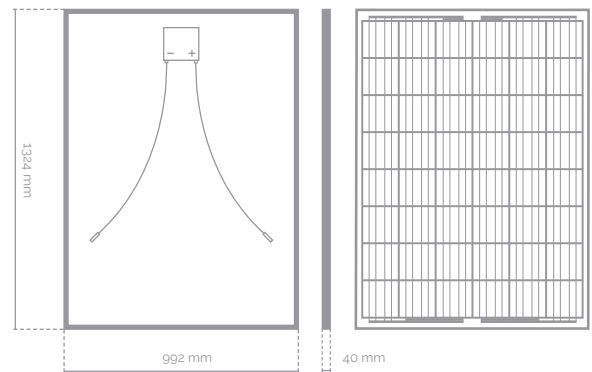
Standard - All Black / 180 / 185 / 190 / 195 / 200 W

25 years performance warranty
15 years product warranty

eurener
energía solar

Technical features

| |
|---|
| Frame |
| Black / 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 ² 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 |
| 48 cells polycrystalline silicon / 156x156 mm |
| Weight and dimensions (L x W) +/-1% mm |
| 15 Kg / 1324 x 992 x 40 mm |



Electric data

| Standard - All Black | PEPV 180 | PEPV 185 | PEPV 190 | PEPV 195 | PEPV 200 |
|---------------------------------|-----------------|----------|----------|----------|----------|
| Nominal power, P _{mpp} | 180 W | 185 W | 190 W | 195 W | 200 W |
| Tolerance, P _{mpp} | 0 / +3% | 0 / +3% | 0 / +3% | 0 / +3% | 0 / +3% |
| Area of the module | 1,31 | | | | |
| Module efficiency | 13,74% | 14,12% | 14,50% | 14,89% | 15,27% |
| I _{sc} | 8,38 A | 8,54 A | 8,64 A | 8,75 A | 8,84 A |
| U _{oc} | 29,40 V | 29,50 V | 29,60 V | 29,80 V | 30,10 V |
| I _{mp} | 7,83 A | 7,99 A | 8,12 A | 8,25 A | 8,37 A |
| U _{mp} | 22,99 V | 23,15 V | 23,40 V | 23,64 V | 23,89 V |
| Maximum voltage | 1000 V | | | | |
| α I _{sc} | 0,039% / °C | | | | |
| β U _{oc} | - 0,29% / °C | | | | |
| γ P _{max} | - 0,42% / °C | | | | |
| Temperature range | - 40°C to +85°C | | | | |
| NOCT | 45°C ± 2°C | | | | |

NOTE: Read the instruction manual of this product and follow the indications. Values are valid for: 1000W/m², AM 1.5 and cell's temperature of 25°C. All the information of this brochure may be amended without notice by Eurener.