

Tolerance 0 / +3%

Up to 250 W
European production



Photovoltaic

Neo PEPV

Polycrystalline 220 / 225 / 230 / 235 / 240 / 245 / 250 W

Neo photovoltaic modules are highly efficient and reliable. They are composed of 60 polycrystalline silicon cells, framed in anodized aluminium with 4,2 mm tempered glass wich guarantee high durability.

Neo modules, depending on the model type, range power of 220Wp, 225Wp, 230Wp, 235Wp, 240Wp, 245Wp and 250Wp. They are IEC 61215 and IEC 61730 certified, as well as 10 years product's warranty and 25 years nominal power warranty. The latest generation of machines with which Eurener manufactures provides precision, high reliability and high performance in all modules.

In its production processes Eurener uses materials and manufacturing methods that respect the environment.

Guarantees

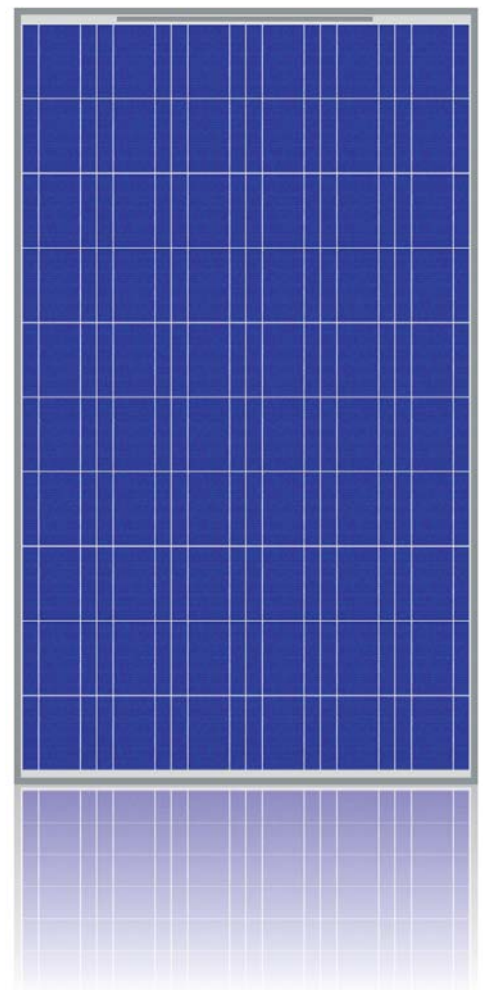
- 10 years product's warranty
- 90% nominal power: up to 12 years
- 80% nominal power: up to 25 years

Nominal power tolerance

- Positive tolerance in all the models: 0 / +3%

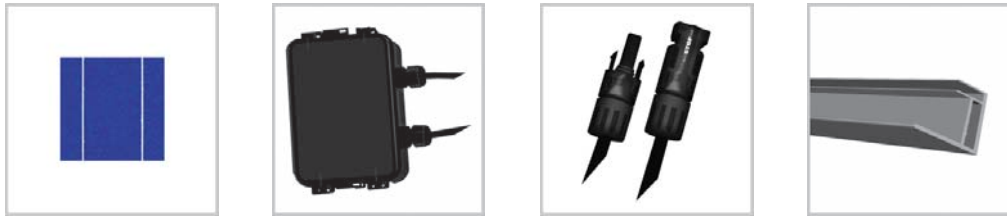
Certificates

- IEC 61215 - TÜV Rheinland
- IEC 61730 - TÜV Rheinland
- Frontal load 5.4 kPa, for snow and ice
- Wind resistance 2.4 kPa



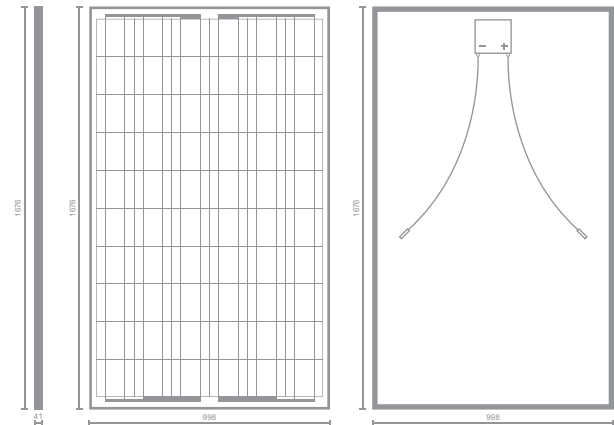
Member of:





Technical features

| |
|--|
| Frame |
| Silver anodized aluminium |
| Robust and resistant to corrosion |
| Water drainage orifices |
| 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, easy and rapid connection |
| Cables 1.0 meter length and 4mm ² section |
| Inflammable capacity in accordance with UL 94-5V |
| Frontal |
| 4,2 mm tempered glass |
| Textured, extra-clear, with low iron content |
| Solar cells |
| 60 cells, polycrystalline silicon 6,2" (156x156 mm) |
| Encased cells |
| EVA (ethylen-vinyl-acetate) |



* Measure in mm

| |
|---|
| Dimensions and weight |
| 1676 x 998 x 41 mm / (L x W x D) +/-2 mm |
| 22 Kg |
| Packaging |
| Pallet of 25 modules |
| Approved by AIDIMA (independent Institute) |
| Overcome horizontal impact, rotational fall and dynamic compression testing |

Electric data

| Neo | PEPV 220 | PEPV 225 | PEPV 230 | PEPV 235 | PEPV 240 | PEPV 245 | PEPV 250 |
|---------------------------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Nominal power, P _{mpp} | 220 W | 225 W | 230 W | 235 W | 240 W | 245 W | 250 W |
| Tolerance, P _{mpp} | 0 / +3% | 0 / +3% | 0 / +3% | 0 / +3% | 0 / +3% | ±3% | ±3% |
| Area of the module | 1,67 | 1,67 | 1,67 | 1,67 | 1,67 | 1,67 | 1,67 |
| Module efficiency | 13,18% | 13,47% | 13,74% | 14,08% | 14,35% | 14,65% | 14,94% |
| I _{sc} | 8,06 A | 8,15 A | 8,25 A | 8,40 A | 8,52 A | 8,63 A | 8,69 A |
| U _{oc} | 36,42 V | 36,84 V | 37,08 V | 37,32 V | 37,51 V | 37,79 V | 37,83 V |
| I _{mp} | 7,40 A | 7,52 A | 7,66 A | 7,83 A | 7,97 A | 8,13 A | 8,17 A |
| U _{mp} | 29,79 V | 29,96 V | 30,01 V | 30,07 V | 30,10 V | 30,14 V | 30,64 V |
| Maximum voltage | 1000 V | 1000 V | 1000 V | 1000 V | 1000 V | 1000 V | 1000 V |
| α I _{sc} | 0,075% / °C | 0,075% / °C | 0,075% / °C | 0,075% / °C | 0,075% / °C | 0,075% / °C | 0,075% / °C |
| β U _{oc} | - 0,312% / °C | - 0,312% / °C | - 0,312% / °C | - 0,312% / °C | - 0,312% / °C | - 0,312% / °C | - 0,312% / °C |
| γ P _{max} | - 0,405% / °C | - 0,405% / °C | - 0,405% / °C | - 0,405% / °C | - 0,405% / °C | - 0,405% / °C | - 0,405% / °C |
| Temperature range | - 40°C / +85°C | | | | | | |
| NOCT | 44°C ± 2°C | | | | | | |

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