

Product covered by EU Community Designs Regulations.



Product Made in Italy



Warranty on production defects: 12 years



Classification Only positive MPP +3 / -0% = + kWh produced each year



Factory inspection periodica del TÜV Intercert



CLASS 1 Reaction to fire according to the UNI 9177 standard



Ammonia test according to IEC 62716



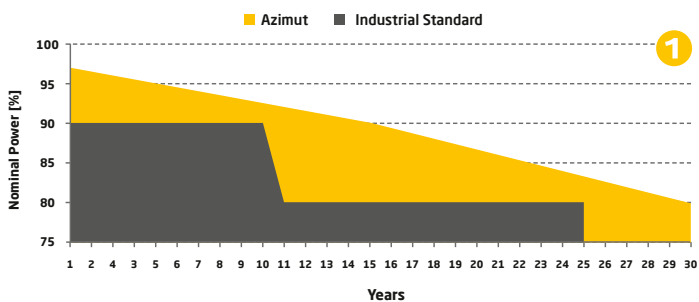
Member of the end-of-life panel recycling zero hassle to customers



Panel certifications IEC 61215 EN 61730



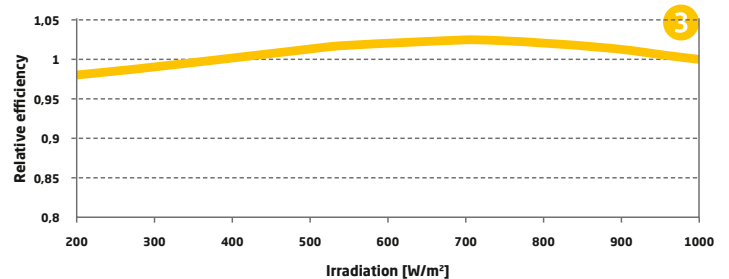
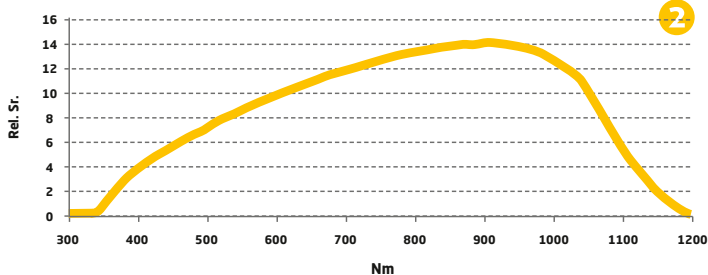
100% product traceability



1 Warranty on rated output
30-year warranty period on output:
97% after 1 year, 90% after 15 years, 80% after 30 years

2 Typical spectral response

3 Performance at low irradiance



The graph shows the change in terms of module efficiency with a variation in irradiation spanning from 200 W/m² to 1000 W/m² (with 25 °C and AM 1.5 spectrum) is equal to -2% (relative).

TETRIS

ELECTRICAL CHARACTERISTICS UNDER STC (AM 1,5, IRR 1000W/m²; temperature 25±2 °C)

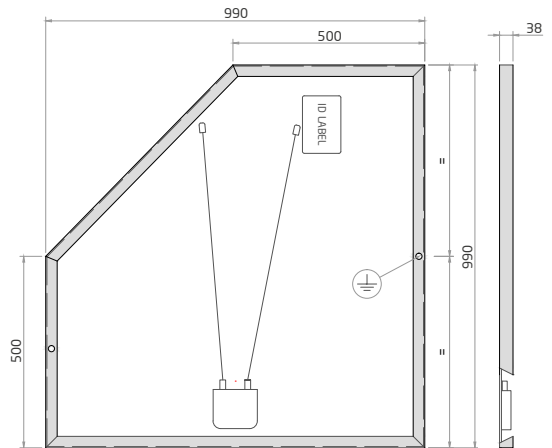
| Model | | TETRIS 125P | TETRIS 125M |
|--------------------------------|---|-------------|-------------|
| Nominal power P_{nom} | W | 125 | 125 |
| Classification in Power | % | - 0 / + 3 | |
| Voltage at P_{max} V_{mp} | V | 15,51 | 15,19 |
| Current at P_{max} I_{mp} | A | 8,06 | 8,23 |
| Open-circuit voltage V_{oc} | V | 19,01 | 18,02 |
| Short-circuit voltage I_{sc} | A | 8,60 | 8,95 |
| Module efficiency | % | 14,53 | 14,53 |

ELECTRICAL CHARACTERISTICS UNDER NOCT CONDITIONS (IRR 800 w/m²; RT = 20°C; t. Cells = 43°C; wind speed = 1 m/s, AM 1,5)

| | | | |
|--------------------------------|---|-------|-------|
| Nominal power P_{nom} | W | 91 | 91 |
| Voltage at P_{max} V_{mp} | V | 14,20 | 13,91 |
| Current at P_{max} I_{mp} | A | 6,44 | 6,58 |
| Open-circuit voltage V_{oc} | V | 17,39 | 16,49 |
| Short-circuit voltage I_{sc} | A | 6,87 | 7,11 |

Precision of measurement under STC: MPP ≤ 3%; V_{oc} , V_{mp} , I_{sc} , I_{mp} ≤ 10%
Precision of measurement under NOCT conditions: MPP ≤ 5%; V_{oc} , V_{mp} , I_{sc} , I_{mp} ≤ 10%

| | |
|--------------|---|
| Cells | 30 polycrystalline or monocrystalline, 156 x 156 mm |
| Junction box | IP65, 3 bypass diodes, 4 mm ² cables w/length 100 (+) / 120 (-) cm |
| Connectors | IP67, MC4 single-contact connectors |
| Dimensions | 990 x 990 mm +/- 1 mm |
| Weight | 12 +/- 1 kg |



Operation Characteristics/Build

| | | |
|---|---|---|
| Maximum system voltage | V | 1000 |
| Maximum series fuse rating I_R | A | 13 |
| Temperature coefficient P_{mp} (γ) | %/°C | -0,42 (polycrystalline) and 0,48 (monocrystalline) |
| Temperature coefficient V_{oc} (β) | %/°C | -0,32 (polycrystalline) and 0,38 (monocrystalline) |
| Temperature coefficient I_{sc} (α) | %/°C | 0,08 (polycrystalline) and 0,07 (monocrystalline) |
| NOCT | °C | 43 +/-1 (polycrystalline) and 44 (monocrystalline) |
| Service temperature | °C | from -40°C to +85°C |
| Safety class | | II |
| Snow load / Max. wind speed | Pa | 5400 |
| Resistance to hail impact | | Ø 25 mm at 83 km/h |
| Glass | tempered, prismatic, high transmittance glass. 3.2 mm thickness | |
| Encapsulating agent | 2 sheets of 0.46 mm EVA | |
| Protective backing | Multilayer/trasparent polyester lamination, 0.32 mm thick | |
| Frame | Al 6060 T5, thickness 38 mm | |