

AZM726P

ELECTRICAL CHARACTERISTICS UNDER STC (1.5 AM, IRR 1000w/m²; temperature 25±2 °C)

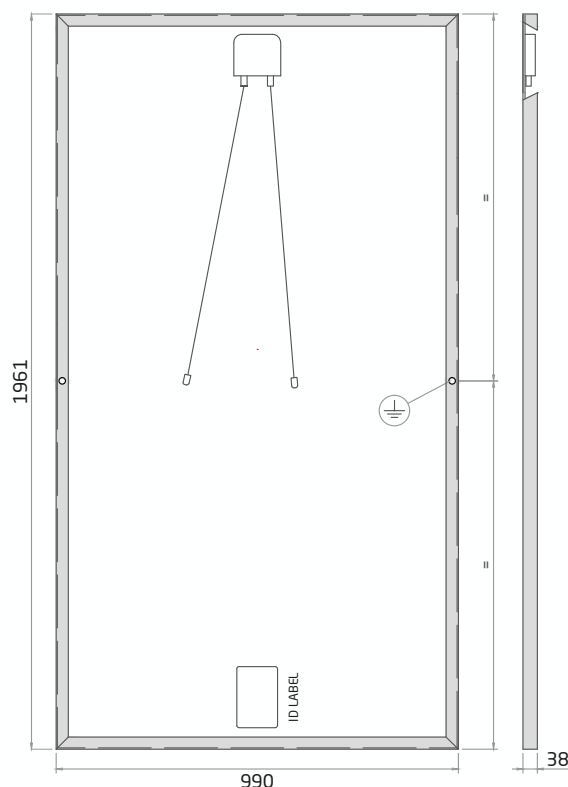
| Model | | 290 | 295 | 300 |
|---------------------------------------|---|-------|-----------|-------|
| Nominal power P _{nom} | W | 290 | 295 | 300 |
| Classification in Power | % | | - 0 / + 3 | |
| Voltage at Pmax V _{mp} | V | 36,56 | 36,81 | 37,04 |
| Current at Pmax I _{mp} | A | 7,93 | 8,01 | 8,10 |
| Open-circuit voltage V _{oc} | V | 45,16 | 45,39 | 45,62 |
| Short-circuit voltage I _{sc} | A | 8,40 | 8,50 | 8,60 |
| Module efficiency | % | 14,97 | 15,23 | 15,48 |

Electrical characteristics under NOCT conditions (IRR 800 w/m²; RT = 20°C; t. Cells = 43°C; wind speed = 1 m/s, 1.5 AM)

| Nominal power P _{nom} | W | 212 | 216 | 219 |
|---------------------------------------|---|-------|-------|-------|
| Voltage at Pmax V _{mp} | V | 33,48 | 33,70 | 33,92 |
| Current at Pmax I _{mp} | A | 6,34 | 6,40 | 6,47 |
| Open-circuit voltage V _{oc} | V | 41,32 | 41,53 | 41,74 |
| Short-circuit voltage I _{sc} | A | 6,71 | 6,79 | 6,87 |

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

| | |
|---------------------|---|
| Glass | Prismatic tempered glass with high U value. Thickness 4 mm. |
| Cells | 72 (6x12) polycrystalline, 156 x 156 mm |
| Junction box | IP65, 4 bypass diodes, 4 mm cables w/length 100 (+) / 100 (-) cm2 |
| Connectors | IP68, PV4 single-contact connectors |
| Dimensions | 1961 x 990 mm +/- 1 mm |
| Weight | 25 +/- 1 kg |
| Version | Black backsheet (N), transparent backsheet (T). |



Please note: in case of landscape installation a 25-cm-long extension cable with MC4 connectors is necessary.

Operation Characteristics/Build

| | | |
|---|--|---------------------|
| Maximum system voltage | V | 1000 |
| Maximum series fuse rating I _r | A | 13 |
| Temperature coefficient P _{mp} (γ) | %/°C | -0,42 |
| Temperature coefficient V _{oc} (β) | %/°C | -0,32 |
| Temperature coefficient I _{sc} (α) | %/°C | 0,08 |
| NOCT | °C | 43 +/-1 |
| 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 |
| Encapsulating agent | 2 sheets of 0.46 mm EVA | |
| Protective backing | Multilayer polyester lamination, 0.32 mm thick | |
| Frame | Al 6060 T5, thickness 38 mm | |