

Glass module 48 cells

Even for toughest conditions

Product overview

Mono crystalline

Poly crystalline

| | | |
|--------------------------------------|-------------------|-------------------|
| Max. power P _{mp} [Wp] | 215 220 225 | 200 205 210 |
| Dimension L x W x H incl. frame [mm] | 1709 x 989 x 40 | 1709 x 989 x 40 |
| Dimension L x W x H excl. frame [mm] | 1700 x 995 x 7 | 1700 x 995 x 7 |
| Weight [kg] | 21 / 27,5 | 21 / 27,5 |



Product advantages

- Premium alternative to glass-foil modules for roof and ground mounting
- Better cell protection, neutral zone
- No frame to avoid edge pollution
- Excellent fire resistance because of no back sheet
- High durability thanks to special glass composition
- High resistance against environmental influences
- Snow slides down easy
- Quality standard: IEC 61215 and IEC 61730
- Positive performance tolerance: up to +3%
- 10 years performance warranty 90%
- 25 years performance warranty 80%
- 10 years product warranty

Also available with 60 / 72 cells.

Also available with black frame.



PVP-GExxxP/M incl./excl. frame

Electrical Data

Mono crystalline

Poly crystalline

| | | Mono crystalline | | | | | | Poly crystalline | | | | | |
|----------------------------|------|------------------|-------|-------|----------------------------|-------|-------|------------------|-------|-------|----------------------------|-------|-------|
| | | STC* | | | 800W/m ² NOCT** | | | STC* | | | 800W/m ² NOCT** | | |
| Max. power P _{mp} | [Wp] | 215 | 220 | 225 | 156 | 159 | 163 | 200 | 205 | 210 | 147 | 151 | 155 |
| Voltage at P _{mp} | [V] | 25,20 | 25,62 | 25,81 | 22,58 | 22,96 | 23,13 | 25,69 | 25,93 | 26,08 | 23,40 | 23,62 | 23,75 |
| Current at P _{mp} | [A] | 8,53 | 8,59 | 8,72 | 6,90 | 6,95 | 7,05 | 7,78 | 7,90 | 8,05 | 6,30 | 6,40 | 6,52 |
| Open circuit voltage | [V] | 30,67 | 30,77 | 30,91 | 28,10 | 28,19 | 28,32 | 30,62 | 30,72 | 30,77 | 28,42 | 28,51 | 28,55 |
| Short circuit current | [A] | 9,07 | 9,09 | 9,18 | 7,34 | 7,35 | 7,42 | 8,24 | 8,38 | 8,53 | 6,66 | 6,78 | 6,90 |
| Module efficiency | [%] | 15,9 | 16,3 | 16,7 | | | | 14,8 | 15,2 | 15,6 | | | |

*standard testing conditions (STC): 1,000W/sqm - AM 1.5 - 25 °C // ** 800W/sqm - AM 1.5 - NOCT
Minor reduction in efficiency under partial load conditions: at 200W/sqm 95% of the STC efficiency (1,000W/sqm) is achieved.

Thermal characteristics / temperature coefficient

Mono crystalline

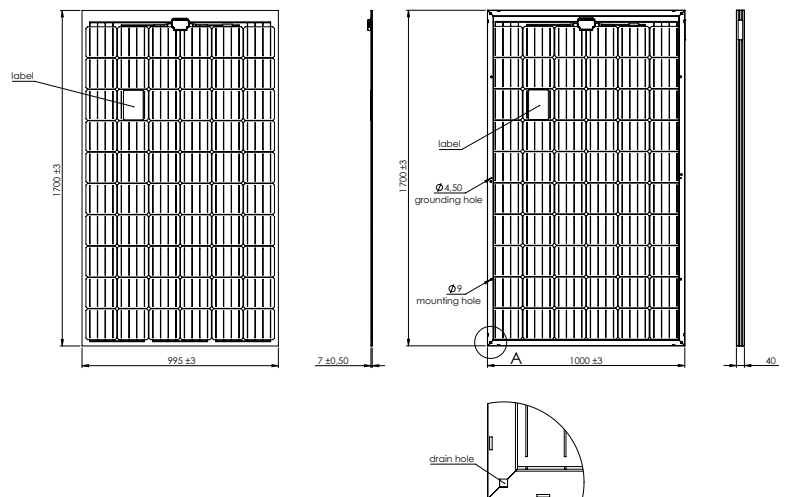
Poly crystalline

| | | | |
|--------|-------|-------|--------|
| TK P | [%/K] | -0,42 | -0,406 |
| TK Voc | [%/K] | -0,32 | -0,308 |
| TK Isc | [%/K] | 0,047 | 0,057 |
| NOCT | [°C] | 47 ±2 | 44 ±2 |

Additional data

Mono- & poly crystalline

| | |
|-------------------------------|-----------------------------|
| Plus sorting | -0% bis +3% |
| Max. mechanical load | 5400 N/m ² |
| Snow load | 550 kg/m ² |
| Max. system voltage | 1000 V |
| Safety class | II |
| Max. reverse current | 15 A |
| Junction box | Huber Suhner |
| Bypass diodes | 3 Typ Schottky |
| Protection class junction box | IP 67 |
| Cable length/width | 1000 mm / 4 mm ² |
| Junction box connection | Radox Solar / MC4* |
| Operating temperature | -40°C ~ +85°C |
| Cells | 156 x 156 poly / mono |
| Solar glass excl. frame | Front: 3 mm / Rück: 3 mm |
| Solar glass incl. frame | Front: 2 mm / Rück: 2 mm |
| Frame | Anodized aluminium |



Excl. frame

Incl. frame

Measurement tolerance P_{max} ±3% *also available with original MC4 connection

This datasheet is not legally binding. Actual specifications and/or product features may vary. PVP Photovoltaik reserves the right to make changes to specifications without notice. Caution: Read the safety and installation instructions before using the product. The currently valid warranty/guarantee declaration and the general delivery terms and conditions are part of this datasheet. Further details can be found on our website (www.pvp.co.at). This data sheet complies with the requirements of EN50380.