



TECHNICAL DATA - CUSTOMIZED TYPE 01

α-Si TECHNOLOGY

| PHOTOVOLTAIC GLASS | | 751 x 2926 |
|--|--|-------------------|
| | M | Clear-20% |
| Electrical data test conditions (STC) | | |
| Nominal peak power | 87 | P_{mpp} (Wp) |
| Open-circuit voltage | 221 | V_{oc} (V) |
| Short-circuit current | 0,59 | I_{sc} (A) |
| Voltage at nominal power | 166 | V_{mpp} (V) |
| Current at nominal power | 0,53 | I_{mpp} (A) |
| Power tolerance not to exceed | ±5 | % |
| STC: 1000 w/m ² , AM 1.5 and a cell temperature of 25°C, stabilized module state. | | |
| Mechanical description | | |
| Length | 751 | mm |
| Width | 2926 | mm |
| Thickness | 37,5 | mm |
| Surface area | 2,20 | sqm |
| Weight | 151,07 | Kgs |
| Cell type | α-Si | Thin Film |
| Transparency degree | M | Clear-20% |
| Front Glass | 6 mm | Tempered Glass |
| PV Active Glass | 3,2 mm | Float Glass |
| Rear Glass | 6 mm | Tempered Glass |
| Gas Spacer | 10 mm | Argon Chamber |
| Inner Glass | 5 mm | Float Glass Low-e |
| Inner Glass | 5 mm | Float Glass |
| Thickness encapsulation | 1,52 mm | PVB Foils |
| Category / Color code | | |
| Junction Box | | |
| Protection | IP65 | |
| Wiring Section | 2,5 mm ² or 4,0 mm ² | |
| Limits | | |
| Maximum system voltage | 1000 | V_{sys} (V) |
| Operating module temperature | -40...+85 | °C |
| Temperature Coefficients | | |
| Temperature Coefficient of P_{mpp} | -0,19 | %/°C |
| Temperature Coefficient of V_{oc} | -0,28 | %/°C |
| Temperature Coefficient of I_{sc} | +0,09 | %/°C |

* All technical specifications are subject to change without notice by Onyx Solar

smart solar solutions for buildings

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