OSP200EX-108

Explosion proof solar power module

The OSP200EX-108 is Orga's Zone 1 explosion proof solar power module designed to be used in the Orga solar power systems.

KEY FEATURES

- Double glass technology
- Suitable for Zone 1 and Zone 2 areas with gas explosion hazard
- Excellent mechanical properties and reliability

STANDARDS/CERTIFICATION

- Cenelec EN 60079-0, EN 60079-7 and EN 60079-18
- KIWA 20ATEX0001 X; ATEX II 2 G Ex eb mb IIC T5 Gb
- IEC 60079-0, IEC 60079-7 and IEC 60079-18
- IECEx KIWA 20.0001X; Ex eb mb IIC T5 Gb

PERFORMANCE CHARACTERISTICS

- See table

ELECTRICAL CHARACTERISTICS

- Connection details: M4; two M25x1.5 Ex e cables glands with gland plugs
- Bypass diodes included
- System voltages of 24 volt and higher can be obtained by connecting modules in series
- Designed for use in positively grounded solar systems. For systems with negatively ground load, consumers power supply to load is via an isolated DC/DC converter provided as a part of the Orga solar power supply system

PHYSICAL CHARACTERISTICS

- Dimensions (L x W x H): 1271 x 554 x 74 mm
- Design degree of protection: IP66
- Weight: 25 kg
- Operating temperature range: -25˚C to +50˚C
- Solar cells are encapsulated between high transmission tempered glass
- Anodised aluminium frame for easy mounting

OPTIONAL ACCESSORIES

- Optional non-metallic cover to protect the Solar panel during installation, commissioning and drilling against dirt and falling objects
  - MUD resistant
  - Impact resistant
  - UV stable
  - Lightweight: 3 kg
  - Stackable

Orga BV
Strickledeweg 13
3125AT Schiedam
The Netherlands

P.O. Box 3046
3101 EA SCHIEDAM
The Netherlands

info@orga.nl
T +31 (0)10 208 55 55
F +31 (0)10 437 8445

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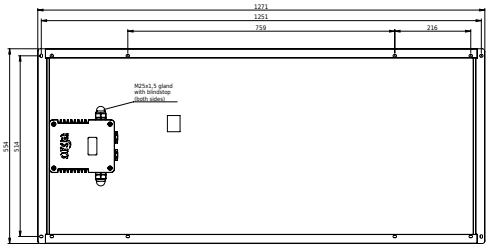
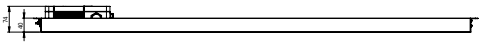
Typical data at Standard Test Conditions (STC): 1000 W/m² irradiance level, AM 1.5 spectrum and 25°C cell temperature					
	Maximum power point (mpp) (+/- 5%)	Output voltage at mpp	Current at mpp	Short circuit current	Open circuit voltage
OSP200EX-108	108 W	20,9 Vdc	5,2 A	5,5 A	24,8 Vdc





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