

### To be used in isolated systems

The MSP365-Ex Photo Voltaic Solar Panel is an ATEX & IECEx Ex ec mc certified product for Zone 2 gas hazardous area applications. The cells of the panel are encapsulated between a tempered glass cover and an EVA pottant, to provide maximum protection in the most extreme environmental conditions.

### FEATURES

- Classification:  
GROUP II: Equipment on surface (no mining).  
ZONE 2: Category 3.  
ATMOSPHERE: GAS.
- 365W maximum power.
- 72 nos. silicon polycrystalline cells on 156 x 156mm shape.
- Cells encapsulated between tempered glass cover and an Eva pottant.
- High efficiency, even with low levels of sunlight.
- Maximum concentration and diffusion of light on cells.
- Lightweight anodized aluminium mounting frame.  
Terminal enclosure made of GRP. Resistant to marine environment.
- Designed for maximum reliability and minimum maintenance.
- IP66 junction box, with 2 nos. M20 ATEX glands.
- All panels are supplied with 6 mm stainless steel earth studs.



Typical applications for this new energy & cost saving concept are: to monitor remote pipelines and unmanned offshore oil & gas installations where the location and the proximity of a hazardous area, deems conventional power sources and mains power to be less economical.

Combined with a compatible inverter housed in our Ex ec enclosures, it is suitable for AC applications.

**II 3 G Ex ec mc IIC T4 Gc**



## Specifications

<b>Maximum power:</b>	365 Wp.
<b>Nominal voltage:</b>	36 V.
<b>Maximum power current (Impp):</b>	8.76 A.
<b>Short circuit current (Isc):</b>	9.17 A.
<b>Open circuit voltage (Voc):</b>	49.1 V.
<b>Maximum power voltage (Vmpp):</b>	41.76 V.
<b>Maximum system voltage:</b>	250 V.
<b>Number of cells:</b>	72 nos. polycrystalline cells.
<b>Power tolerance:</b>	+5 / -3 %.

## Materials and environment

<b>Temperature range:</b>	From -20° to +50°C.
<b>Cells of the panel:</b>	Polycrystalline.
<b>Material hardware:</b>	Anodized aluminium mounting frame.
<b>NOCT:</b>	45°C.
<b>Dimensions (+/-2.5 mm) (L x W x H):</b>	1984 x 1000 x 146 mm.
<b>Weight:</b>	28 kg.
<b>Watertightness degree:</b>	IP 66.

## Standards and Certifications

Gas: II 3 G Ex ec mc IIC T4 Gc

Group II: Equipment in surface (no mining).

Zone 2: Category 2.

General requirements: EN 60079-0 Standard.

Equipment protection by Encapsulation: "mc", EN 60079-18 Standard.

Equipment protection by Increased Safety: "ec", EN 60079-7 Standard.

Temperature Class: T4 ≤ 135°C.

Protection against Gas: (G).

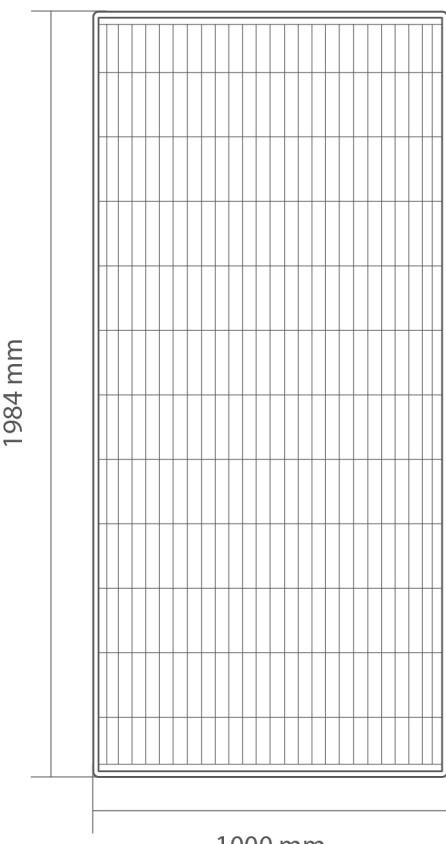
ATEX Certificate No.: ITS 18 ATEX 4030 28X

IECEx Certificate No.: IECEx ITS 18.0001 X

MSP365-Ex  
Power systems

## Solar Modules

! Specifications subject to change without previous notice.



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