



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

MSP365-Ex

Power systems

Solar Modules

! Specifications subject to change without previous notice.

Specifications

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

Materials and environment

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

