



MSK 160-Ex



Excellent Efficiency

The MSK*-Ex is a solar kit for potentially explosive environments, this solar power unit is compact and easy to install. It is available in different power ratings from 20 W - 80 W with a battery capacity of 65 Ah - 200 Ah.

FEATURES

- Classification:
GROUP II: Equipment on surface (no mining).
ZONE 1: Category 2.
ATMOSPHERE: GAS.
- Stainless steel.
- Battery enclosure up to 200 Ah capacity
- Solar modules up to 80 W
- Adjustable inclination
- Top Fix Standard (4 - 3 bolts in a 200 mm diameter).
- Average operation lifetime over 10 years.



The different configurations allow for an optimal system as needed. This MSK*-Ex Solar Kit has 3 possible combinations. Due to its standardised design, its installation is quick and easy.

MSK 160-Ex which has a lantern MBL160-Ex.
MSK R04-Ex with a Racon RBM04-Ex.
MSK PWR-Ex which is used as a power back-up.

This MSK*-Ex is classified as ATEX / IECEx Group II, Category 2 ensuring a high level of protection. This allows the use in potentially explosive atmospheres, classified for Zone 1 and Zone 2.

Solar modules

Power supply:	From 1 no. to 4 nos. From 20 W to 80 W.
Efficiency:	High efficiency, even with low levels of sunlight.
Material:	Tempered glass cover, aluminium back sheet and frame to provide maximum protection.
Resin:	Resistant to extreme heat and cold expansion and contraction.
Inclination:	Depending on latitude.

Battery

Capacity:	65 Ah up to 200 Ah. Dry fit Lead Acid with VRLA.
Average life:	6 - 9 years. Maintenance-free.
Material:	Stainless steel. Adjustable battery internal fixing frame. Cable input through anti-vibration ATEX gland.
Hardware:	Vandal-proof safety lock as option.

Power control unit

Safety:	Short-circuit protections and temperature compensation circuit.
Converter:	12 DC/24 DC & AC/DC.
Material:	Aluminium & Stainless steel.

Materials

Pole, pannel and batrei support:	Stainless steel.
Top and bottom:	Fix Standard (3 - 4 bolts in a 200 mm diameter).

Environment

Temperature range:	-20°C to +60°C.
Paint:	Anticorrosion and atex paint for gases class IIC.

Standards and Certifications

ATEX and IECEx Certifications.

Equipment options

MSK 160-Ex with marine LED lantern.

MSK R04-Ex with marine RACON.

MSK PWR-Ex with extra solar panel.

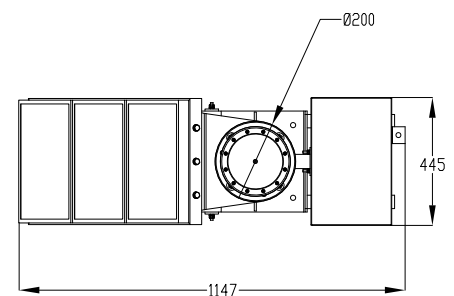
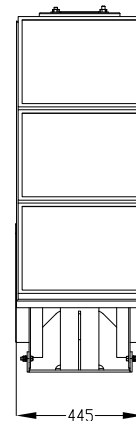
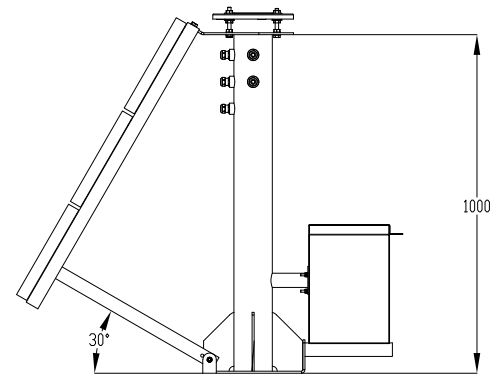
Other specifications available under request.

MSK*-Ex

Power systems

Solar Power Kit

! Specifications subject to change without previous notice.



MSK PWR-Ex with 60 W and battery of 65 Ah