



To be used in potentially hazardous areas

MSM has a wide range of battery boxes with ATEX/IECEx Classification. Our battery boxes include VRLA valve regulated gelled batteries. We have a wide range of systems with different voltages (12Vdc - 24Vdc) and a capacity range from 65Ah to 200Ah. to suit the needs of the equipment consumption.

FEATURES

- Classification:
GROUP II: Equipment on surface (no mining).
ZONE 1: Category 2.
ZONE 2: Category 3.
ATMOSPHERE: GAS.
- Made of stainless steel.
- Locking bolts in stainless steel.
- Adjustable battery internal fixing frame.
- Cable input through anti-vibration ATEX gland.
- Vandal-proof safety lock as option.
- Protection Grade: IP23.



The MBE-Ex have been specially designed for use in potentially hazardous areas, where flammable liquids, gases or vapours are present (Zone 1 and Zone 2).

This type of battery enclosures can be equipped with a current isolator to make the work safer.

The MBE-Ex batteries can be supplied on their own or as part of a kit which includes the solar panel, solar charge controller and stainless steel pole, another option is to make a MSK160-Ex which also includes a LED lantern, making a complete ATEX beaconing kit.

Ex e IIC T6 Gb

Specifications

Battery Enclosure Zone 1 - MBE-Ex1

| Voltage (Vdc) | Capacity (Ah) | A1 (mm) | B1 (mm) | C1 (mm) | Weight (Kg) |
|---------------|---------------|---------|---------|---------|-------------|
| 12 | 65 | 445 | 374 | 363 | 45 |
| 24 | 65 | 445 | 374 | 503 | 70 |
| 12 | 85 | 435 | 440 | 426 | 62 |
| 12 | 120 | 587 | 310 | 500 | 68 |
| 24 | 120 | 587 | 500 | 540 | 133 |
| 12 | 200 | 590 | 395 | 586 | 102 |
| 24 | 200 | 590 | 670 | 626 | 183 |

Battery Enclosure Zone 2 - MBE-Ex2

| Voltage (Vdc) | Capacity (Ah) | A1 (mm) | B1 (mm) | C1 (mm) | Weight (Kg) |
|---------------|---------------|---------|---------|---------|-------------|
| 12 | 65 | 445 | 374 | 363 | 45 |
| 24 | 65 | 445 | 374 | 503 | 70 |
| 12 | 85 | 435 | 440 | 426 | 62 |
| 12 | 120 | 587 | 310 | 500 | 68 |
| 24 | 120 | 587 | 500 | 540 | 133 |
| 12 | 200 | 590 | 395 | 586 | 102 |
| 24 | 200 | 590 | 670 | 626 | 183 |

Materials and environment

| | |
|-------------------------------|--|
| Temperature range: | From -20° to +40°C. |
| Battery: | Dryfit gel VRLA. |
| Body: | 316L stainless steel. |
| Paint: | Polyester powder coated (UV Filter) Optional. |
| Fixing: | 316L stainless steel. |
| Humidity resistance: | 100%. Drainage hole to avoid condensation. |
| Earthing: | Standard M8 or M10 stainless steel internal and external earth stud. |
| Connections: | Double insulated 5m long battery leads. |
| Watertightness degree: | IP23. |

Standards and Certifications

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|---|
| Gas: Ex e IIC T6 Gb. |
| Group II: Equipment in surface (no mining). |
| Zone 1: Category 2. |
| Zone 2: Category 3. |
| General requirements: EN 60079-0 Standard. |
| Equipment protection by Increased Safety: "e", EN 60079-7 Standard. |
| Protection against Gas: (G). |
| Certification ATEX n°: TRAC14ATEX0059X |
| Certification IECEx n°: TRC14.0025X |

Options

The battery boxes can be fitted with a current isolator (on request).

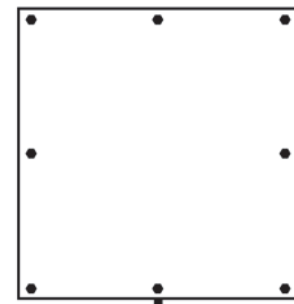
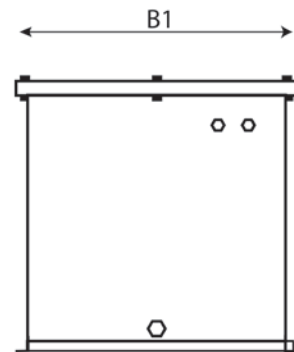
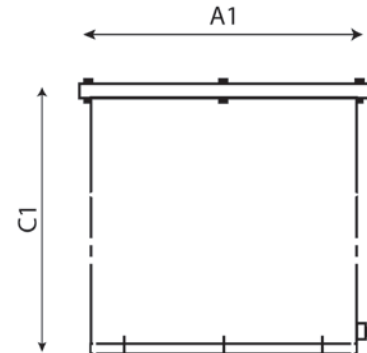
OIL & GAS EQUIPMENT

MBE-Ex

Power systems

Battery Enclosure

! Specifications subject to change without previous notice.



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