

DATASHEET

General

- ATEX Zone 1 Certified EEx d battery box
- The enclosures can be drilled and threaded to customer 's specification
- A suitable Battery Charger for Nickel-Metal Hydride is installed in the same enclosure
- The enclosures body and cover are made of copper-free aluminum alloy



Specifications and certificates

- EN 50014, EN50018 according to the ATEX 95 directives
- II 2 GD EEx d IIC T6
- KEMA 02ATEX2103
- Operating temperature range -5°...+ 55 °C



General electrical characteristic (see table for more information)

- Input voltage is 100V AC...240V AC (50Hz...60Hz).
- Nominal output voltage is 24V DC
- Nickel Metal Hydride Battery Pack, 24 Volt
- Enclosure provided with battery charger (suitable for Nickel Metal Hydride batteries)
- Range from 3 Ah...15 Ah (see table for detailed information)

Mechanical characteristics enclosure

- CCA03
- Copper free cast alloy (suitable for offshore applications)
- Special offshore coating optional
- Standard 2 cable entries suited with barrier glands (M20) (ID 12.7mm, OD12.5-20.9mm), other options on request
- Standard 2 cable entries suited with M25 brass blind plug, other options on request
- Warning plate and ATEX certificate label included
- IP66 Degree of Ingress Protection (by design)
- External earth connection

Optional

- Drain and Breather valve.
- Spare cable entries possible (based on customers requirements)

Important note: This enclosure can only be used with approved battery types. Please contact Orga before any modifications or replacements take place.

Type designation

BD - ... - ... Example: BD-9-CH

| Code | Description |
|------|------------------------------|
| CH | Charger + battery |
| UPS | Uninterruptible Power Supply |

| Code | Dimensions enclosure (l/w/h in mm) | Nom. Battery Capacity (24V) |
|------|------------------------------------|-----------------------------|
| 3 | 276x276x217 | 3 Ah |
| 9 | 276x276x217 | 9.5 Ah |
| 15 | 276x276x217 | 15 Ah |

