



Battery Enclosures

SS01, 02, 03X STAINLESS & GALVANISED STEEL





Battery Enclosures

Tideland Signal's (Tideland) Exe battery enclosures are designed for harsh environments and are suitable for Zone 1 hazardous areas.

The enclosures are fully ventilated to ensure that any hydrogen gas released remains below 50% LEL (Lower Explosive Limit) within the enclosure while having ingress protection of IP56 making them suitable for outdoor installation.

Characteristics

- Fabricated from 316L stainless steel or galvanised steel.
- Lead acid battery capacities are between 165Ah and 495Ah. (subject to voltage and discharge rate)
- Supplied complete with all internal links and covers.
- Hinged padlockable lid to prevent access by unauthorised personnel.
- Internally lined to prevent electrical contact with the enclosure.
- 12 and 24 volt versions available. (subject to capacity)
- IP56 to EN60529.
- II 2 G Exe II T6 to EN60079-7.

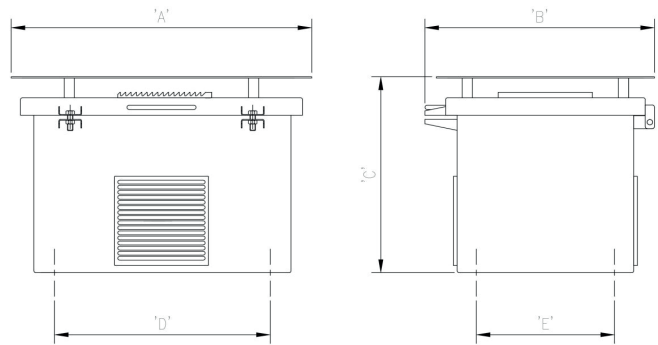
EN 60079-0 part 23.2 states that "batteries incorporated into explosion protected equipment should be formed from cells connected in series." Therefore battery strings must be isolated via diodes or similar devices external to the battery box, to avoid paralleling of batteries when greater capacity is required.

Refer to instruction manual or certificate for details of maximum charging voltages and currents.

Additional mounting rails, in galvanised steel or stainless steel to provide external mounting points are available on request.

In some of the worlds harshest environments where safety and power continuity are paramount, that is where you will find Tideland Remote Power Systems.

Dimension



V12-G135 Valve Regulated Lead Acid Battery Gel Range

- Completely maintenance free, sealed construction eliminates the need for watering
- Designed for stand by power applications
- Spill proof/leak proof
- Valve regulated Max internal pressure 2.5 psi
- ABS case and cover
- Low self discharge
- FAA and IATA approved a non-hazardous
- Built to comply with IEC 896-2, DIN 43534, BS 6290 Pt4 Eurobat
- 35Ah at C5, 165Ah at c100

Battery Enclosures

Technical Details

Size 01	
Dimension A	470mm
Dimension B	368mm
Dimension C	448mm
Dimension D	301mm
Dimension E	207mm
Weight Empty	31.0kg
Battery 1 x 165Ah	
Configuration	Individual battery
Nominal Voltage	12V
Total Weight Inc. Batteries	71kg
Size 02	
Dimension A	652mm
Dimension B	498mm
Dimension C	448mm
Dimension D	468mm
Dimension E	300mm
Weight Empty	44.0kg
Battery 2 x 165Ah	
Configuration	Two individual batteries
Nominal Voltage	12V
Total Weight Inc.	124kg
Batteries Battery 2 x 165Ah	
Configuration	Series connected pair
Nominal Voltage	24V
Total Weight Inc. Batteries	124kg
Size 03	
Dimension A	856mm
Dimension B	677mm
Dimension C	448mm
Dimension D	683mm
Dimension E	468mm
Weight Empty	82.0kg
Battery 4 x 165Ah	
Configuration	Four individual batteries
Nominal Voltage	12V
Total Weight Inc.	242kg
Battery 4 x 165Ah	
Configuration	Two series connected pair
Nominal Voltage	24V
Total Weight Inc. Batteries	242kg
Battery 6 x 165Ah	
Configuration	Six individual batteries
Nominal Voltage	12V
Total Weight Inc. Batteries	322kg
Battery 6 x 165Ah	
Configuration	Three series connected pair
Nominal Voltage	12V
Total Weight Inc. Batteries	322kg

NOTE: Specifications are subject to change.



Tideland Signal Corporation
(USA)
us-sales@tidelandsignal.com

Tideland Signal Ltd
(Canada)
canada-sales@tidelandsignal.com

Tideland Signal Ltd
(Burgess Hill, UK)
emea-sales@tidelandsignal.com

Tideland Signal
(The Netherlands)
emea-sales@tidelandsignal.com

Tideland Signal Ltd
(Dubai, UAE)
emea-sales@tidelandsignal.com

Tideland Signal Pte Ltd
(Singapore)
asia-sales@tidelandsignal.com

Tideland Signal Pte Ltd
(Tianjin, China)
asia-sales@tidelandsignal.com

www.tidelandsignal.com