



# Battery Enclosures

SS01, 02, 03X STAINLESS & GALVANISED STEEL





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**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.

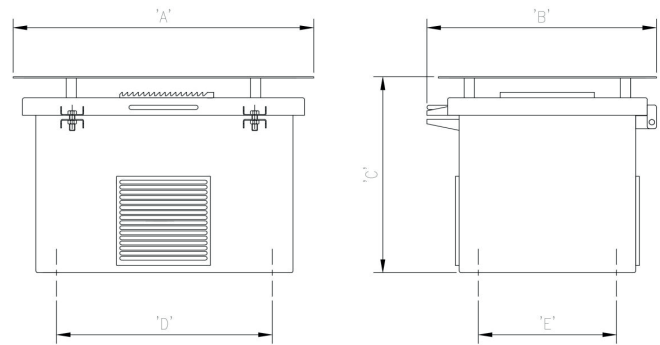
EN 60079-0 part 23.2 states that "batteries incorporated into explosion protected equipment should be formed from cells connected in series." Therefore battery strings must be isolated via diodes or similar devices external to the battery box, to avoid paralleling of batteries when greater capacity is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

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## Technical Details

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

NOTE: Specifications are subject to change.



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