



Battery Enclosures

SS1000x Hazardous Area Battery Enclosures

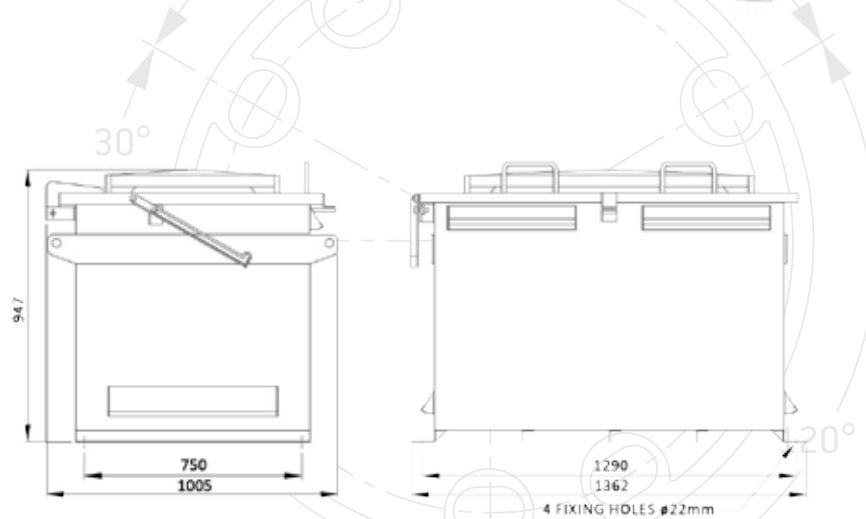
Tideland Signals (Tideland) SS1000 series battery enclosures are designed for harsh environments and suitable for Zone 1 hazardous areas.

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.

FEATURES

- Fabricated from 316L stainless steel in standard height and extended height versions.
- IP56 to EN60529 1992
- II 2 G Exe II T5 to EN60079-7 2007
- Battery capacities are between 32 and 498Ah with Ni-Cad batteries and 200 to 1400Ah in lead acid batteries. (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, 24, and 48 volt versions available. (subject to capacity)

SS1000Tx (Extended Height)
Battery Enclosure



SPECIFICATIONS

SS1000X			
Battery Type	Nom. Capacity	Nom. V	Total Weight (kg)
Ni-Cad	170Ah _(c5)	24	336
Ni-Cad	190Ah _(c5)	24	336
Ni-Cad	220Ah _(c5)	24	376
NNi-Cad	330Ah _(c5)	24	496
Ni-Cad	498Ah _(c5)	12	436
Ni-Cad	32Ah _(c5)	48	216
Lead Acid	500Ah _(c10)	24	520
Lead Acid	4 Strings of 190Ah _(c10)	24	696
SS1000TX			
Ni-Cad	238Ah _(c5)	24	463
Ni-Cad	446Ah _(c5)	12	436
Lead Acid	224Ah _(c10)	24	391
Lead Acid	998Ah _(c10)	24	751
Lead Acid	1200Ah _(c20)	24	1123

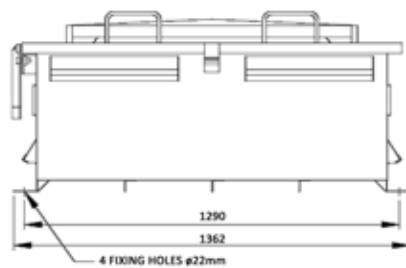
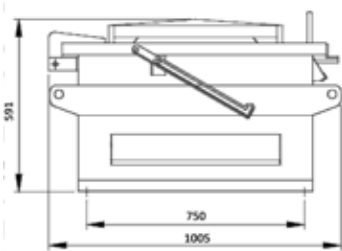
EN 60079-0 part 23.2 states that “batteries incorporated into explosion-protected equipment should be formed from cells connected in series.” Therefore battery strings must be isolated via diodes or similar devices external to the battery box to avoid paralleling of batteries when greater capacity is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

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

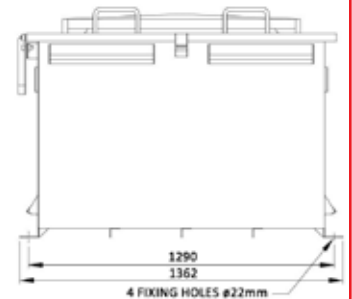
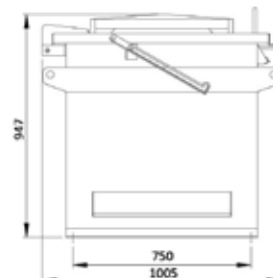
In some of the worlds harshest environments where safety and power continuity are paramount, that is where you will find Tideland Remote Power Systems.

SS1000X & SS1000TX

SS1000X



SS1000TX



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