The outstanding PowerSafe® SBS Front Terminal battery further extends the technical leadership of PowerSafe® SBS batteries range. PowerSafe® SBS Front Terminal batteries retain the benefits of Thin Plate Pure Lead (TPPL) technology such as long-life, high-energy density and superior shelf life. They also deliver exceptional cyclic performance in both float and fast charge applications, even in the hottest and harshest operating environments.

Where conventional Valve Regulated Lead Acid (VRLA)/Absorbed Glass Mat (AGM) batteries struggle to cope with harsh conditions and frequent power outages, cutting edge TPPL technology makes PowerSafe® SBS batteries the perfect solution for the challenging operating conditions of today's telecommunication networks.

PowerSafe® SBS batteries are designed to the highest quality standards, with a unique manufacturing process providing superior energy and power, high performance and proven reliability. There is no substitute for PowerSafe® SBS Front Terminal batteries.

**Features and Benefits**

- Capacity range: 31 - 190Ah
- 12V monobloc configurations
- Multiple string configurations available
- Two year shelf life
- SR-4228 compliant
- Proven long service life
- High energy density and cycling capability
Construction
- Utilizes TPPL technology. Thin positive grids are produced from high purity lead using a unique manufacturing process to maximize corrosion resistance and service life while increasing energy density.
- Separators are AGM made from high purity, superior quality fibers. The electrolyte is absorbed within the AGM, preventing acid spills in case of accidental damage.
- Electrolyte is produced from extremely high purity acid to reduce self-discharge rates and float currents.
- Container and cover made from flame retardant UL94-V0 material, highly resistant to shock and vibration.
- Front terminal batteries use tin-plated copper terminals.
- Self-regulating one way pressure relief valves prevent ingress of atmospheric oxygen.

Installation and Operation
- Space efficient footprint.
- VRLA design, reduces maintenance requirements.
- Lifting handles for easy handling.
- Greater than 10 year life expectancy in float service at 77°F (25°C).
- TPPL technology provides increased active material surface area which yields increased energy density.
- Operating temperature: -40°F (-40°C) to 122°F (50°C).
- Recommended temperature: 68°F (20°C) to 86°F (30°C).

Standards
- Approved as non-hazardous cargo for ground, sea, and air transportation in accordance with US DOT Regulation 49 and ICAO & IATA Packing Instruction 806. Please see our SDS for complete details at www.enersys.com.
- Complies with Telcordia® SR-4228, Network Equipment Building System (NEBS™) Criteria Levels.
- The management systems governing the manufacture of this product are ISO 9001 and ISO 14001 certified.

General Specifications

<table>
<thead>
<tr>
<th>Battery Type</th>
<th># of Cells</th>
<th>Nominal Voltage (V)</th>
<th>Nominal Capacity (Ah)</th>
<th>Nominal Dimensions</th>
<th>Electrolyte (1.30 S.G)</th>
<th>Pure Acid (H₂SO₄)</th>
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<tr>
<td></td>
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<td>8hr. Rate to 1.75Vpc @ 77°F (25°C)</td>
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<td>Weight</td>
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