PowerSafe™ SBS

EON™ TECHNOLOGY

SBS100F AND SBS100 FRONT AND TOP TERMINAL MONOBLOCS

The PowerSafe™ SBS100F and PowerSafe SBS100 batteries are the latest additions to the successful SBS range by EnerSys®. The new models have the all the advantages and benefits of the EnerSys tried and proven Thin Plate Pure Lead (TPPL) technology and the advanced PowerSafe SBS EON Technology™. PowerSafe SBS battery products are renowned for long life and reliability in OSP applications where batteries are often situated in harsh operating environments.

The PowerSafe SBS100 battery models have been designed to meet the requirements of wired and wireless telecom service providers and equipment designers. The 100Ah capacity, compact dimensions and front and top terminal configurations provide maximum layout flexibility and make it ideally suited for cabinet and Outside Plant (OSP) applications where space is limited.

Although primarily designed for telecommunications applications, the advanced pure lead technology, high quality of design and manufacture, high grade materials and electrical performance combine to make PowerSafe SBS batteries ideal for a wide range of reserve power applications.

For power, performance and reliability, there is no substitute for PowerSafe SBS batteries.

PowerSafe SBS EON Technology™ batteries have been developed to provide high cycling and fast recharge performance in applications where the power supply is erratic.

Features & Benefits

- **12V 100Ah monoblocs (C_8/1.75Vpc/77°F)**
- **Front and top terminal configurations**
- **High energy density**
- **Long design life**
- **Up to two year shelf life**
- **UL94 V-0 rated flame retardant case and lid**
- **Wide operating temperature range: -40°F (-40°C) to +122°F (50°C)**

EnerSys®
Power/Full Solutions

RESERVE POWER

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Construction

- Positive plates - pure lead grids manufactured using a unique process
- Negative plates - provide perfect balance with the positive plates to ensure optimum recombination efficiency
- Separators - superior quality microporous glass matt separators with high absorption and stability
- Containers and lids - UL94 V-0 rated flame retardant material, highly resistant to shock and vibration
- Electrolyte - high grade dilute sulfuric acid absorbed into separator material
- Terminal design - leak resistant dual seal terminal design
- Self-regulating pressure relief valves - prevent ingress of atmospheric oxygen
- Flame arrestors - built into each bloc for increased operational safety
- Lifting handles - for ease of handling during transport and installation
- Terminal insulating covers - fitted as standard for added safety

Installation & Operation

- PowerSafe™ SBS100F and SBS100 are designed for installation in cabinets or on stands. A separate battery room is not necessary
- Recommended float charge voltage:
  2.27Vpc at 77°F (25°C)
  2.29Vpc at 68°F (20°C)
- Up to two year shelf life
- Reduced maintenance:
  no water addition required

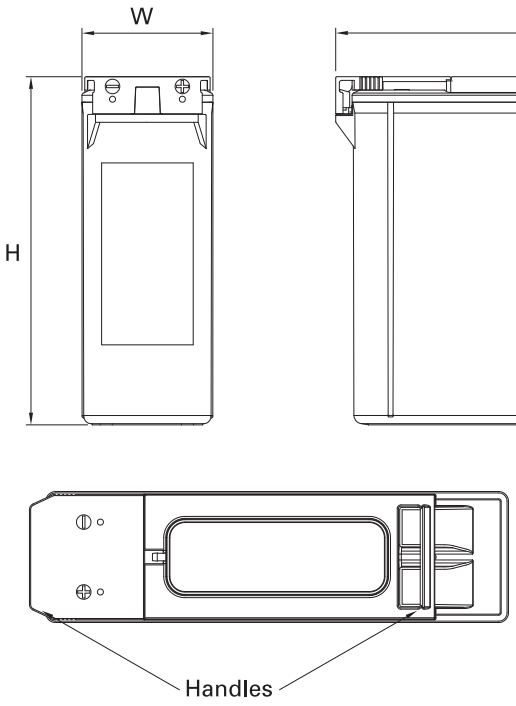
Standards

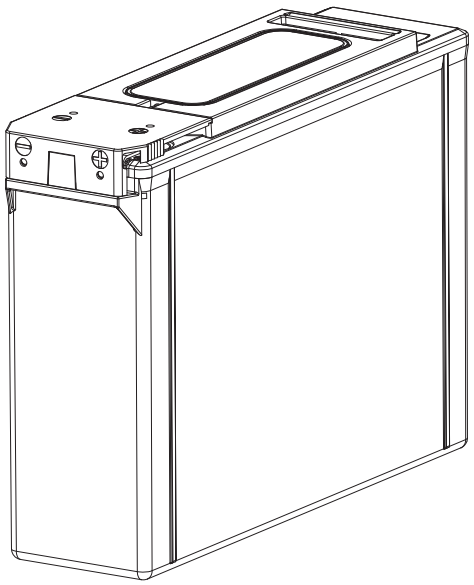
- Designed to be compliant with IEC60896-21 & 22
- Designed to be compliant with Telcordia SR-4228
- Recognized by UL (UL Standard 1989)
- Approved as non-hazardous cargo for ground, sea and air transportation in accordance with US DOT Regulation 49 and ICAO & IATA Packing Instruction 806
- NEBS Certified
- Manufactured in EnerSys® ISO 9001:2000 and ISO 14001:2004 certified production facilities

General Specifications

			Nominal Capacity (Ah)		Nominal Dimensions										
Type	Number of Cells	Nominal Voltage (V)	10 hr rate to 1.80Vpc @ 20°C	8 hr rate to 1.75Vpc @ 77°F	Length mm	Length in	Width mm	Width in	Height mm	Height in	Typical Weight kg	Typical Weight lbs	Short Circuit Current (A)[1]	Internal Resistance (mΩ)[1]	Terminals
SBS 100	6	12	100	100	395	15.6	108	4.3	287	11.3	32.6	71.9	2210	5.6	M8 F
SBS 100F	6	12	100	100	395	15.6	108	4.3	287	11.3	32.6	71.9	2210	5.6	M6 M

Note
[1] Figures obtained by IEC method.





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