

The introduction of EON Technology™ further extends the technical leadership of PowerSafe™ SBS batteries: not only do the PowerSafe SBS B14 - 190F monoblocs retain the benefits typically associated with EnerSys® Thin Plate Pure Lead technology (long life, high energy density, superior shelf life, etc.), they now also deliver exceptional cyclic performance in both float and fast charge applications, even in the hottest and harshest operating environments.

Where conventional VRLA AGM batteries struggle to cope with harsh conditions, remote locations and frequent power outages, the combination of EON and TPPL technologies makes PowerSafe SBS B14 - 190F batteries the perfect solution for the challenging operating conditions of today's telecommunication networks.

For new systems, the PowerSafe SBS EON Technology battery series, with front access and exceptional energy density, allows for maximum back-up power within a given cabinet installation. Furthermore, for replacement upgrades, PowerSafe SBS B14 - 190F monoblocs typically offer a 15% increase in capacity compared to conventional VRLA blocs.

For power, performance and reliability, there is no substitute to PowerSafe SBS EON Technology batteries.

Features & Benefits

- Superior cyclic performance and endurance
- High energy density
- Exceptional fast charge acceptance ability
- Long design life
- Resilient to harsh environments
- Front terminal design for fast and easy maintenance
- Up to two year shelf life



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 mat separator with high absorption and stability
- Containers and lids - UL94 V-0 rated flame retardant ABS material, highly resistant to shock and vibration
- Electrolyte - high grade dilute sulphuric acid absorbed into separator material
- Terminal design - leak resistant patented dual seal terminal design
- Self-regulating pressure relief valves - prevent ingress of atmospheric oxygen

- Flame arrestors - built into each bloc for increased operational safety

Installation and Operation

- PowerSafe™ SBS batteries are designed for use in cabinets or on stands, close to the point of use. A separate battery room is not required
- PowerSafe SBS monoblocs can be mounted in any orientation except inverted
- Recommended float charge voltage: 2.29Vpc @ 20°C (68°F) or 2.27Vpc @ 25°C (77°F)
- Up to two year shelf life
- Low maintenance: no water addition required
- Wide operating temperature range: -40°C to + 50°C

Standards

- Designed to be compliant with international standard IEC 60896/21 & 22
- Classified as "Long Life" according to Eurobat guide 1999
- Conforms to Telcordia SR-4228
- Recognised 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
- Manufactured in EnerSys® ISO 9001:2000 and ISO 14001:2004 certified production facilities

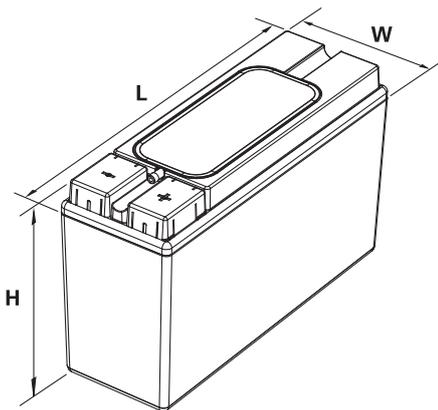
General Specifications

Type	Number of Cells	Nominal Voltage (V)	Nominal Capacity (Ah)		Nominal Dimensions						Typical Weight		Short Circuit Current (A) ⁽¹⁾	Internal Resistance (mΩ) ⁽¹⁾	Terminals
			10 hr rate to 1.80Vpc @ 20°C	8 hr rate to 1.75Vpc @ 77°F	Length		Width		Height		kg	lbs			
SBS B14	6	12	62	62	280	11.0	97	3.8	264	10.4	19.1	42.0	1800	7.0	M8 F
SBS B14F	6	12	62	62	303	11.9	97	3.8	264	10.4	19.1	42.0	1800	7.0	M6 M
SBS C11 ⁽²⁾	6	12	92	91	395	15.6	105	4.1	264	10.4	28.0	61.6	2300	5.5	M8 F
SBS C11F ⁽²⁾	6	12	92	91	417	16.4	105	4.1	256	10.1	28.0	61.6	2300	5.5	M6 M
SBS 100 ⁽²⁾	6	12	100	100	395	15.6	108	4.3	287	11.3	32.6	71.9	2210	5.6	M8 F
SBS 100F ⁽²⁾	6	12	100	100	395	15.6	108	4.3	287	11.3	32.6	71.9	2210	5.6	M6 M
SBS 170F ⁽²⁾	6	12	170	170	561	22.1	125	4.9	283	11.1	52.5	115.7	3400	4.0	M6 M
SBS 190F ⁽²⁾	6	12	190	190	561	22.1	125	4.9	316	12.4	60.0	132.3	3800	3.3	M6 M

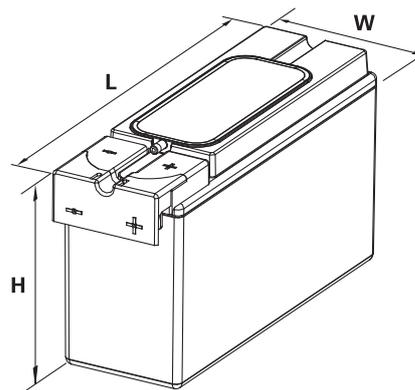
Notes:

⁽¹⁾ Figures obtained via IEC method.

⁽²⁾ With integral or rope handles.



SBS B14, C11 & 100 types



SBS B14F, C11F, 100F, 170F & 190F types



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