

Product information

The SBS series utilises unique and proven technology to provide a superior range of valve regulated batteries with an extended service life in compact and energy dense configurations. SBS is manufactured to the highest international standards, and is suited for reliable use in GSM, PCS & CDMA outdoor communication cabinets. SBS is also widely used in cable TV, emergency lighting, power generation and offshore applications.

The SBS front terminal range is the latest addition to the highly successful high energy density range from Hawker. Smaller than the competition it offers design flexibility where space is limited and will easily fit in cabinet and 19" and 23" rack configurations.

SBS batteries are designed to operate in applications where raised temperatures or harsh environments are possible. The advanced plate technology and manufacturing methods, used by Hawker, make SBS the choice for long and trouble-free service. By using an optional metal jacket, the maximum operating temperature of SBS 'J' can be extended to 80°C.

Hawker has earned an international reputation for quality and reliability based on more than 100 years' experience in the manufacture of batteries, and is at the forefront of new product design to meet customer's increasing power requirements.

SBS batteries are designed using proven gas recombination technology, which removes the need for regular water addition.

The use of gas recombination technology for lead acid batteries has completely changed the concept of standby power. This technology provides the user with the freedom to use lead acid batteries in a wide range of applications.

The minimal level of gas production allows battery installation in cabinets or on stands, in offices or near main equipment, thus maximising space utilisation and reducing battery accommodation and maintenance costs.



Range Summary

Construction

- positive electrode - pure lead grid using a unique manufacturing process
- negative electrode - pure lead grid
- separator - glass mat separator with high absorption and stability
- case material - impact resistant material, flame-retardant to UL94 B, V0 (SBS case material is ABS; SBS J case material is Noryl)
- electrolyte - high purity dilute sulphuric acid absorbed into separator material
- terminal design - leak resistant compression seal, proven in service
- charging - float charge voltage: 2.29Vpc @ 20°C or 2.27Vpc @ 25°C

Installation

- the SBS series of batteries can be mounted in any orientation except inverted
- SBS was designed for use in cabinets or on stands close to the point of use. A separate battery room is not required
- SBS is also available for underwater applications
- SBS is ideal for installation as an integral part of a standby system due to its long life

Features

- extremely high power density
- proven long service
- very low ventilation requirement

- 2V, 6V, and 12V configurations
- many sizes available
- long shelf life

Standards

- conforms with BS 6920 Part 4, IEC 60896 Part 2, EN 60896 Part 2 and Telcordia SR-4228
- UL approved
- Hawker production facilities worldwide are certified to ISO 9001
- approved as non-hazardous cargo for ground, sea and air transportation

Specifications

Cell Type	Nominal Voltage (V)	Nominal Capacity (Ah)		Dimensions (mm)			Weight (kg)
		C ₁₀ to 1.80Vpc @ 20°C	C ₅ to 1.75Vpc @ 25°C	Length	Width	Height	
SBS 8	12	7	7	138	86	101	2.7
SBS 15	12	14	14	200	77	140	5.7
SBS 30	12	26	26	250	97	156	9.5
SBS HB30 ⁽¹⁾	12	26	26	250	97	156	9.6
SBS 40	12	38	38	250	97	206	12.7
SBS 60	12	51	51	220	121	260	18.5
SBS 110	6	115	116	200	208	239	21.2
SBS 130	6	132	133	200	208	239	22.7
SBS 300	2	310	307	200	208	239	21.7
SBS 390	2	360	361	200	208	239	23.2
SBS J13	12	12	12	178	87	132	5.7
SBS J16	12	15	15	186	79	171	6.7
SBS J30	12	26	26	178	168	127	11.8
SBS J40	12	39	39	201	171	173	17.4
SBS J70	12	64	64	328	166	175	28.8
SBS B8	12	31	31	280	97	150	10.3
SBS B10	12	34	34	280	97	175	12.8
SBS B14	12	62	62	280	97	256	19.1
SBS C11	12	92	91	395	105	264	28.0

Notes

⁽¹⁾ SBS HB30 are fitted with a 533mm harness that terminates in a 2-pin polarised plug-in connector which is compatible with embedded power SLC systems.