
SBS145 & SBS145F

The PowerSafe™ SBS range utilizes unique and proven technology to provide a superior range of valve regulated batteries with an extended service life in compact and energy dense configurations. PowerSafe SBS is manufactured to the highest international standards and is ideal for reliable use in all wireless and fixed-line communication applications. PowerSafe SBS is also widely used in cable TV, emergency lighting, power generation and offshore applications.

PowerSafe SBS145 is designed to meet the common footprint currently being used throughout wireless and wireline networks within the telecommunication industry. SBS batteries are engineered to cope with the raised temperature and harsh environments within the outside plant networks that support traditional POTS service, wireless applications, and Video/Data networks. The advanced thin plate, pure lead technology, and unique manufacturing methods used by EnerSys™, make PowerSafe SBS the choice for long trouble-free service.



Construction

- Positive plate - pure lead grid using a unique manufacturing process
- Separator - superior quality microporous glass mat separator with high absorption and stability
- Jar material - impact resistant ABS, flame retardant to UL94 V-0
- Electrolyte - high grade dilute sulfuric acid absorbed into separator material
- Terminal design - leak resistant patented dual seal terminal design

Operation

- Recommended float charge voltage: 2.29Vpc @ 68°F (20°C) or 2.27Vpc @ 77°F (25°C)
- The PowerSafe SBS range of batteries can be mounted in any orientation except inverted.
- PowerSafe SBS is designed for use in cabinets, or on stands, close to the point of use. A separate battery room is not required.
- PowerSafe SBS is ideal for installation as an integral part of a standby system due to its long life.
- PowerSafe SBS is also available for underwater applications.

Standards

- Fully compliant with BS 6290 Part 4 (1997)
- Conforms to IEC 60896-21 and 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
- Manufactured in EnerSys production facilities certified to ISO 9001:2000 and ISO 14001:2004

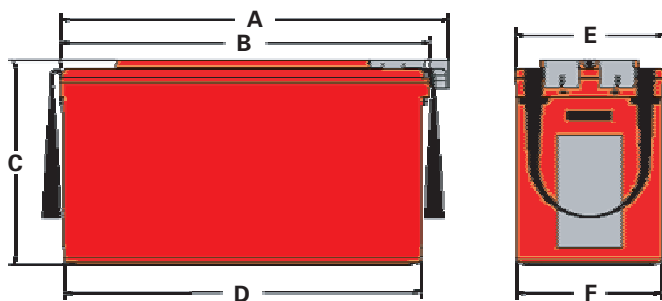
Nominal Constant Current (Amperes) Rates At 77°F (25°C)*

End VPC (V)	Time						
	1 HR	2 HR	3 HR	4 HR	5 HR	8 HR	10 HR
1.85	92.5	54.0	39.2	30.7	25.5	17.4	14.4
1.80	95.5	55.3	40.1	31.4	26.1	17.8	14.7
1.75	98.0	56.4	40.8	32.0	26.6	18.1	15.0
1.70	100	57.3	41.4	32.4	26.9	18.4	15.2
1.67	101	57.7	41.6	32.6	27.1	18.5	15.3
1.65	102	57.9	41.8	32.7	27.2	18.5	15.4
1.63	102	58.1	41.9	32.8	27.2	18.6	15.4
1.60	103	58.2	42.0	32.8	27.3	18.6	15.4
1.55	103	58.3	42.0	33.2	27.5	18.8	15.6
1.50	104	58.9	42.4	33.5	27.8	19.0	15.7

Nominal Constant Power (Watts Per Cell) Rates At 77°F (25°C)*

End VPC (V)	Time						
	1 HR	2 HR	3 HR	4 HR	5 HR	8 HR	10 HR
1.85	182	107	78.1	61.3	50.7	33.4	27.3
1.80	187	110	79.7	62.5	51.7	34.1	27.9
1.75	191	111	81.5	64.0	54.3	36.2	28.4
1.70	195	113	82.0	64.3	53.2	35.1	28.7
1.67	197	114	82.4	64.6	53.4	35.2	28.9
1.65	198	114	82.6	64.8	53.6	35.3	28.9
1.63	198	114	82.8	64.9	53.7	35.4	29.0
1.60	199	114	82.9	65.0	53.8	35.5	29.0
1.55	199	115	83.8	65.7	54.3	35.8	29.3
1.50	201	116	84.6	66.3	54.8	36.2	29.6

*Ratings are preliminary and subject to change



Nominal Dimensions

	Inch	mm
A	17.9	455
B	16.9	429
C	9.4	238
D	16.4	416
E	6.8	173
F	6.6	168

Typical weight: 100 lbs (45kg)



www.enersys.com

EnerSys
P.O. Box 14145
Reading, PA 19612-4145
USA
Tel: +1-610-208-1991
+1-800-538-3627
Fax: +1-610-372-8613

EnerSys EMEA
Brussels, Belgium
Tel: +32 (0)2 247 94 47

EnerSys Asia
Guangdong, China
Tel: +86-755-2689 3639

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