

Battery Range Summary



Features and Benefits

- Capacity range: 7Ah - 361Ah
- 2V, 6V, and 12V configurations
- Multiple string configurations available
- Two year shelf life
- SR-4228 compliant
- Proven long service life
- High energy density and cycling capability
- Very low ventilation requirement
- Wide operating temperature range: -40°F (-40°C) to 122°F (50°C)
- The maximum operating temperature of the PowerSafe[®] SBS J series battery can be extended to 176°F (80°C) via an optional metal jacket

The PowerSafe[®] SBS battery 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 batteries are manufactured to the highest international standards and are ideal for reliable use in all wireless and fixed-line communication applications. PowerSafe[®] SBS batteries are also widely used in cable TV Head-Ends, hybrid systems, power generation, offshore applications, and various oil rig applications.

PowerSafe[®] SBS top terminal batteries are available in capacities of 7Ah to 361Ah and in 2V, 6V and 12V blocs. PowerSafe[®] SBS batteries are suitable for a wide range of telecom and reserve power applications especially where space is limited.

PowerSafe[®] SBS batteries are designed to cope with elevated temperatures and harsh environments. The advanced Thin Plate Pure Lead (TPPL) technology and unique manufacturing methods, used by EnerSys[®], make PowerSafe[®] SBS batteries the choice for long and trouble-free service.

PowerSafe[®] SBS batteries have been developed to provide not only long float service life but also designed to provide controlled high cycling and fast recharge performance in unreliable grid applications.

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
- Battery terminals use tin-plated copper insert
- Self-regulating one-way pressure relief valves prevent ingress of atmospheric oxygen

Installation and Operation

- Space efficient footprint
- VRLA design, reduces maintenance requirements
- 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) (except J series metal jacket)
- Recommended operating 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

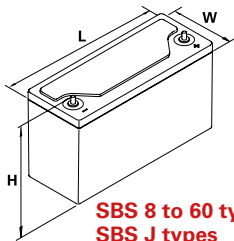
General Specifications

Battery Type	# of Cells	Nominal Voltage (V)	Nominal Capacity (Ah)		Nominal Dimensions						Electrolyte (1.300 S.G)				Pure Acid (H ₂ SO ₄)										
			8hr. Rate to 1.75Vpc @ 77°F (25°C)	10hr. rate to 1.80Vpc @ 68°F (20°C)	Length		Width		Height		Typical Weight		Short Circuit Current (Amps)	Internal Resistance MilliOhms**	Terminals	Volume (per bloc)		Weight (per bloc)		Lead Weight (per bloc)					
			in	mm	in	mm	in	mm	lbs	kg	gal	L				lbs	kg	gal	L	lbs	kg	lbs	kg		
SBS8*	6	12	7	7	5.43	138	3.39	86	3.9	99	5.95	2.70	455	27.1	M4F	0.10	0.38	1.08	0.49	0.03	0.11	0.43	0.19	4.26	1.93
SBS15	6	12	14	14	7.87	200	3.03	77	5.51	140	11.5	5.20	891	13.5	M6M	0.20	0.75	2.14	0.97	0.06	0.21	0.85	0.38	7.83	3.55
SBS30	6	12	26	26	9.84	250	3.82	97	6.14	156	20.9	9.50	1556	7.9	M6M	0.40	1.51	4.33	1.96	0.11	0.43	1.72	0.78	15.5	7.04
SBSHB30	6	12	26	26	9.84	250	3.82	97	6.14	156	21.2	9.60	1556	7.9	harness	0.40	1.51	4.33	1.96	0.11	0.43	1.72	0.78	15.5	7.04
SBS40	6	12	38	38	9.84	250	3.82	97	8.11	206	29.1	13.2	2184	5.6	M6M	0.59	2.23	6.39	2.90	0.17	0.63	2.53	1.15	21.2	9.61
SBS60	6	12	51	51	8.66	220	4.76	121	10.3	261	40.8	18.5	2618	4.4	M6M	0.85	3.22	9.21	4.17	0.24	0.91	3.65	1.66	29.1	13.2
SBS110	3	6	116	115	7.87	200	8.19	208	9.41	239	46.7	21.2	3804	1.7	M8M	0.95	3.60	10.3	4.67	0.27	1.01	4.08	1.85	31.6	14.3
SBS130	3	6	133	132	7.87	200	8.19	208	9.41	239	50.0	22.7	4111	1.4	M8M	0.98	3.70	10.6	4.80	0.28	1.04	4.20	1.90	34.2	15.5
SBS300	1	2	307	310	7.87	200	8.19	208	9.41	239	47.8	21.7	8700	0.23	M8M	0.95	3.60	10.3	4.67	0.27	1.01	4.08	1.85	31.9	14.5
SBS390	1	2	361	360	7.87	200	8.19	208	9.41	239	51.1	23.2	11101	0.18	M8M	0.90	3.39	9.70	4.40	0.25	0.95	3.85	1.75	34.7	15.7
SBSJ13	6	12	12	12	6.89	175	3.27	83	5.08	129	11.5	5.20	957	13	M6F	0.18	0.68	1.95	0.88	0.05	0.19	0.77	0.35	8.11	3.68
SBSJ16	6	12	15	15	7.13	181	2.99	76	6.57	167	14.8	6.70	1111	11	M6F	0.23	0.87	2.49	1.13	0.06	0.25	0.99	0.45	11.0	5.00
SBSJ30	6	12	26	26	6.54	166	6.89	175	4.92	125	26.0	11.8	1766	7	M6F	0.39	1.48	4.22	1.92	0.11	0.42	1.68	0.76	18.1	8.19
SBSJ40	6	12	39	39	7.76	197	6.50	165	6.69	170	35.1	15.9	2400	5.2	M6F	0.61	2.31	6.61	3.00	0.17	0.65	2.62	1.19	27.6	12.5
SBSJ70	6	12	64	64	13.0	329	6.54	166	6.85	174	60.8	27.6	3500	3.5	M6F	0.98	3.71	10.6	4.81	0.28	1.04	4.21	1.90	44.4	20.2
SBSB8*	6	12	31	31	11.0	280	3.82	97	6.26	159	22.7	10.3	1270	10	M8F	0.37	1.42	4.05	1.84	0.11	0.40	1.61	0.73	15.6	7.08
SBSB10*	6	12	38	38	11.0	280	3.82	97	7.24	184	28.2	12.8	1390	9	M8F	0.48	1.80	5.15	2.34	0.13	0.51	2.04	0.93	17.7	8.03
SBSB14*	6	12	62	62	11.0	280	3.82	97	10.4	264	42.1	19.1	1800	7	M8F	0.78	2.95	8.45	3.83	0.22	0.83	3.35	1.52	29.6	13.4
SBSC11*	6	12	91	92	15.6	395	4.13	105	10.1	256	61.7	28.0	2300	5.5	M8F	1.28	4.85	13.9	6.29	0.36	1.36	5.50	2.49	43.3	19.7
SBS100*	6	12	100	100	15.6	395	4.25	108	11.3	287	71.9	32.6	2210	5.6	M8F	1.34	5.09	14.6	6.60	0.38	1.43	5.77	2.62	49.7	22.6
SBS145*	6	12	145	145	16.9	429	6.77	172	9.37	238	105	47.6	4100	3	M8F	2.21	8.37	23.9	10.9	0.62	2.35	9.49	4.31	79.5	36.1

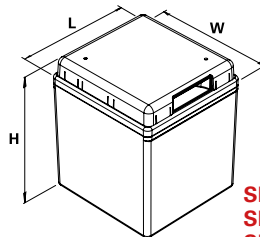
*NEBS™ Compliant GR63-Core

**Resistance values are for reference only and not intended to represent an Ohmic Value or Baseline measurement

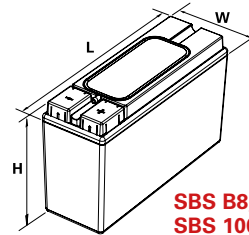
Typical Outline Drawings



SBS 8 to 60 types
SBS J types



SBS 110, SBS 130,
SBS 300 and
SBS 390 types



SBS B8, B10, B14, C11,
SBS 100 and 145 types



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