

Valve Regulated Lead Acid Battery

AGM LONG LIFE BATTERY

DB Series

RANGE SUMMARY

By combining a newly developed corrosion resistance alloy and advanced curing process, BSB created a range of long life batteries - Duration range. The range features top terminal and offers 12 years design life. This series is highly suited to UPS system, switchgear, CATV and telecommunication system applications.

FEATURES AND BENEFITS

- 12 years design life at floating condition @ 20°C
- Wide operating temperature range from -15°C to 60°C
- Thick flat plate featuring high Tin low Calcium alloy
- Operation in any position without acid leakage
- Balanced design for both floating and cyclic operation
- Low self-discharge rate and long shelf life
- Excellent deep discharge recovery capability

CONSTRUCTION

- Positive plate - High Sn low Ca grid to resist corrosion and prolong life
- Negative plate - Balanced Pb-Ca grid for improved recombination efficiency
- Separator - Advanced AGM separator for ultra low float current
- Electrolyte - Dilute high purity sulphuric acid
- Battery container and cover - ABS
- Pillar seal - 100% factory tested, proven two layers epoxy resin seal
- Relief valve - Complete with integrated flame arrestor

CHARGING VOLTAGE AND SETTING

- Constant voltage charging is recommended
- Recommended float charge voltage:
2.27Vpc @ 20°C
- Float voltage temperature compensation:
-3mV/°C/cell
- Float voltage range:
2.25 to 2.30 Vpc @ 20°C
- Cyclic application charge voltage :
2.40Vpc @ 20°C
- Max charge current allowable : 0.25C_{10A}



DB Series Capacity Range: 40Ah-250Ah

General Specifications



Code No.	Voltage (V)	Capacity (AH)	Length		Width		Height		Total Height		Weight		Terminal Type
			mm	in	mm	in	mm	in	mm	in	Kg	Lb	
DB6-100	6	100	194	7.64	170	6.69	205	8.07	210	8.27	15.5	34.2	T17
DB6-150	6	150	260	10.2	180	7.09	245	9.65	250	9.84	21.5	47.4	T19
DB6-180	6	180	307	12.1	169	6.65	220	8.66	225	8.86	24.6	54.2	T19
DB6-200	6	200	321	12.6	176	6.93	226	8.90	229	9.02	29.5	65.0	T19
DB12-40	12	40	197	7.76	165	6.50	170	6.69	170	6.69	13	28.7	T17
DB12-50	12	50	230	9.06	138	5.43	208	8.19	211	8.31	16.8	37.0	T17
DB12-55	12	55	230	9.06	138	5.43	208	8.19	211	8.31	17	37.5	T17
DB12-65	12	65	350	13.8	166	6.54	179	7.05	179	7.05	21	46.3	T17
DB12-75	12	75	260	10.2	168	6.61	211	8.31	214	8.43	22.8	50.3	T17
DB12-80	12	80	260	10.2	168	6.61	211	8.31	214	8.43	23	50.7	T17
DB12-90	12	90	306	12.0	169	6.65	211	8.31	214	8.43	26	57.3	T17
DB12-100	12	100	330	13.0	171	6.73	214	8.43	220	8.66	30	66.2	T17
DB12-120	12	120	406	16.0	174	6.85	208	8.19	233	9.17	35.5	78.3	T19
DB12-135	12	135	342	13.5	172	6.77	280	11.0	285	11.2	41.5	91.5	T19
DB12-150	12	150	485	19.1	172	6.77	240	9.45	240	9.45	44	97.0	T19
DB12-180	12	180	494	19.4	206	8.11	209	8.23	235	9.25	54.5	120	T19
DB12-200	12	200	522	20.6	238	9.37	218	8.58	221	8.70	61	135	T19
DB12-230	12	230	521	20.5	269	10.6	203	7.99	206	8.11	62	137	T19
DB12-250	12	250	521	20.5	269	10.6	220	8.66	223	8.78	72	159	T19

Applications

- UPS
- Electric power distribution system
- CATV and FTTX cabinet
- Telecommunication

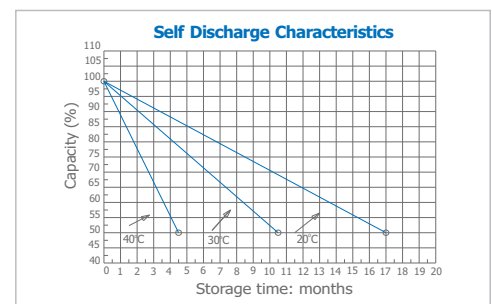
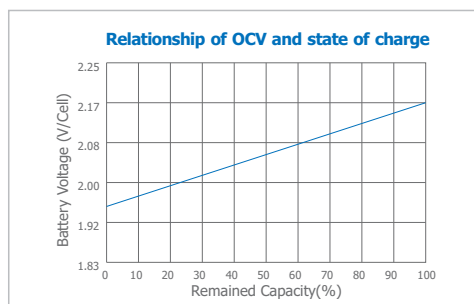
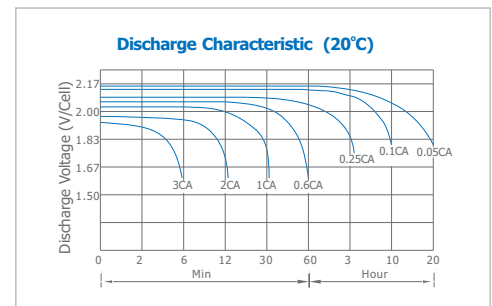
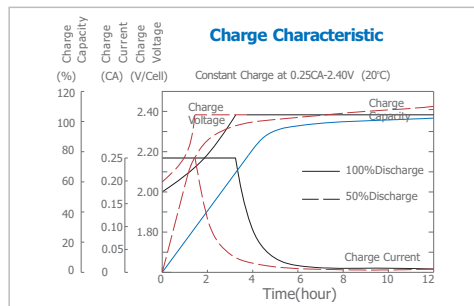
Complied Standards

- IEC 60896-21/22
- Eurobat guide, long life
- BS6290 part 4
- UL1989
- IATA and IMDG

All Battery Range

- General Series
- Duration Series
- Deep Cycle Series
- High Rate Series
- Solar Series
- Electric Vehicle Series
- FA Series
- FAG Series
- LSE Series
- LSG Series
- OPzV Series
- OPzS Series

For more information, please visit our website: www.bsbpower.com or send an email to enquiry@bsbpower.com



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Data showed in charts may vary for each model, contact BSB POWER for specific technical data.

