

## Valve Regulated Lead Acid Battery

# AGM LONG LIFE BATTERY

## DB Series

### RANGE SUMMARY

By combining a newly developed corrosion resistance alloy and an advanced curing process, the DB series can achieve better performance and reliable standby service life up to 12 years for float service.

It is highly suited for UPS systems, switchgear devices, CATV and telecommunication applications.

### FEATURES AND BENEFITS

- 12 years design life in floating condition
- Wide operating temperature range from -15°C to 50°C
- Thick flat plate featuring high Tin low Calcium alloy
- Operation in any position without acid leakage
- Very suitable for float condition
- 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 : Double layers epoxy resin seal
- Relief valve : Complete with integrated flame arrestor

### CHARGING VOLTAGE AND SETTINGS

- Constant voltage charging is recommended
- Recommended float charge voltage: 2.27Vpc @ 20~25°C
- Float voltage temperature compensation: -3mV/°C/cell
- Float voltage range: 2.27 to 2.30 Vpc @ 20~25°C
- Cyclic application charge voltage : 2.40 to 2.47 Vpc @ 20~25°C
- Max. charge current allowable : 0.25C10A



## Capacity Range: 40Ah-250Ah

### General Specifications



Code No.	Voltage (V)	Capacity (AH)	Dimension								Weight		Terminal Type		
			Length		Width		Height		Total Height		Kg	Lb			
			mm	in	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	16.0	35.2	T17		
DB6-150	6	150	260	10.2	180	7.09	245	9.65	250	9.84	24.0	52.9	T19		
DB6-180	6	180	307	12.1	169	6.65	220	8.66	225	8.86	27.0	59.5	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	13.0	28.7	T17		
DB12-50	12	50	230	9.06	138	5.43	208	8.19	211	8.31	16.5	36.4	T17		
DB12-65	12	65	350	13.8	166	6.54	179	7.05	179	7.05	21.0	46.3	T17		
DB12-80	12	80	260	10.2	168	6.61	211	8.31	214	8.43	22.8	50.3	T17		
DB12-90	12	90	306	12.0	169	6.65	211	8.31	214	8.43	26.0	57.3	T17		
DB12-100	12	100	330	13.0	171	6.73	214	8.43	220	8.66	30.0	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	44.0	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	61.0	135	T19		
DB12-230	12	230	521	20.5	269	10.6	203	7.99	206	8.11	62.0	137	T19		
DB12-250	12	250	521	20.5	269	10.6	220	8.66	223	8.78	72.0	159	T19		

### Applications

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

### Complied Standards

- IEC 60896-21/22
- Eurobat guide
- BS6290 part 4
- GB/T19639
- JISC8704
- UL1989
- IATA and IMDG

For more information and for the complete list of models, please visit our website: [www.bsbpower.com](http://www.bsbpower.com) or send an email to [enquiry@bsbpower.com](mailto:enquiry@bsbpower.com)  
 Products specifications described herein are subject to change without prior notification.

### Available Series

- OPzV Series
- OPzS Series
- FAG Series
- FA Series
- TGF Series
- TG Series
- Solar Series
- LSG Series
- LSE Series
- HR Series
- DC Series
- DB Series
- GB Series

### Notes

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### Headquarters and subsidiaries

- BSB Power Company Limited (HQ)
- BSB Power Europe (France)
- BSB Power Malaysia Sdn. Bhd
- PT. BSB Indonesia
- BSB Power (Thailand) Co., Ltd
- BSB Power Company Pakistan Ltd



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