

# BSB<sup>®</sup>

[www.bsbpower.com](http://www.bsbpower.com)

### Valve Regulated Lead Acid Battery

## DEEP CYCLE VRLA BATTERY

## DC Series

### RANGE SUMMARY

By combining up-to-date DCP additives in the positive plates and special AGM separators, BSB created an innovative range of Deep Cycle batteries. The DC range features 70% higher cyclic life with 12 years of float life when compared to the standard Duration range.

This series is highly suited for very unreliable power applications requiring the batteries to provide extra cyclic life performance such as outdoor applications, small RE systems and electric vehicles.

### FEATURES AND BENEFITS

- 70% more cyclic life through innovation at the PAM additives
- Long life expectancy of 12 years in floating condition
- Thick flat plate with high Tin low Calcium alloy
- Wide operating temperature range from -20°C to 55°C
- Low self-discharge rate
- Very good deep cycle performance: up to 500 @ 80%DOD
- Excellent deep discharge recovery capability

### CONSTRUCTION

- Positive plate : Thick high Sn low Ca grid with special paste
- Negative plate : Balanced Pb-Ca grid for improved recombination efficiency
- Separator : Advanced AGM separator for high pressure cell design
- Electrolyte : Dilute high purity sulphuric acid
- Battery container and cover : ABS
- Pillar seal : Two 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: 7.2Ah-250Ah

#### General Specifications

Code No.	Voltage (V)	Capacity (AH)	Dimension						Total Height		Weight		Terminal Type
			Length		Width		Height		mm	in	Kg	Lb	
			mm	in	mm	in	mm	in	mm	in			
DC 6-100	6	100	194	7.64	170	6.69	205	8.07	210	8.27	16.0	35.3	T17
DC 6-150	6	150	260	10.2	180	7.09	245	9.65	250	9.84	22.0	48.5	T19
DC 6-180	6	180	307	12.1	169	6.65	220	8.66	225	8.86	28.0	61.7	T19
DC 6-200	6	200	321	12.6	176	6.93	226	8.90	229	9.02	30.0	66.2	T19
DC 12-7.2	12	7.2	151	5.94	65	2.56	95	3.74	101	3.98	2.2	4.85	F2
DC 12-9	12	9	151	5.94	65	2.56	111	4.37	117	4.61	3.0	6.62	F1
DC 12-12	12	12	151	5.94	98	3.86	95	3.74	101	3.98	3.7	8.16	F2
DC 12-20	12	20	181	7.13	76	2.99	167	6.57	167	6.57	5.9	13.0	T5
DC 12-24	12	24	175	6.89	166	6.54	125	4.92	125	4.92	8.1	17.9	T5
DC 12-35	12	35	195	7.68	130	5.12	155	6.10	180	7.09	11.2	24.7	T7
DC 12-55	12	55	230	9.06	138	5.43	208	8.19	211	8.31	16.7	36.8	T17
DC 12-80	12	80	260	10.2	168	6.61	211	8.31	214	8.43	23.2	51.1	T17
DC 12-90	12	90	306	12.0	169	6.65	211	8.31	214	8.43	26.3	58.0	T17
DC 12-100	12	100	330	13.0	171	6.73	214	8.43	220	8.66	30.0	66.2	T17
DC 12-120	12	120	406	16.0	174	6.85	208	8.19	233	9.17	35.8	78.9	T19
DC 12-135	12	135	342	13.5	172	6.77	280	11.0	285	11.2	42.0	92.6	T19
DC 12-150	12	150	485	19.1	172	6.77	240	9.45	240	9.45	44.5	98.1	T19
DC 12-180	12	180	494	19.4	206	8.11	209	8.23	235	9.25	55.0	121	T19
DC 12-200	12	200	522	20.6	238	9.37	218	8.58	221	8.70	61.5	136	T19
DC 12-230	12	230	521	20.5	269	10.6	203	7.99	206	8.11	62.5	138	T19
DC 12-250	12	250	521	20.5	269	10.6	220	8.66	223	8.78	72.5	160	T19

#### Applications

- Telecommunications with unreliable power sources
- Renewable energy system
- Golf trolley and electric vehicles

#### Complied Standards

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

#### 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

#### 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



CT-JY-MKT-N-A06