

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
- 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 @ 25°C
- Float voltage temperature compensation: -3mV/°C/cell
- Equalize charge voltage : 2.35 Vpc @25°C
- Max. charge current allowable : 0.25C_{10A}



Capacity Range: 38Ah-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			
DB6-100	6	100	194	7.64	170	6.69	205	8.07	210	8.27	16.0	35.3	T18
DB6-150	6	150	260	10.2	180	7.09	245	9.65	250	9.84	24.0	52.9	T19
DB6-200	6	200	321	12.6	176	6.93	226	8.90	229	9.02	29.7	65.5	T19
DB12-38X	12	38	223	8.78	93.0	3.66	175	6.89	175	6.89	9.80	21.6	T23
DB12-40X	12	40	223	8.78	108	4.25	175	6.89	175	6.89	11.8	26.0	T23
DB12-40	12	40	197	7.76	165	6.50	170	6.69	170	6.69	13.0	28.7	T18
DB12-45X	12	45	223	8.78	120	4.72	175	6.89	175	6.89	12.3	27.1	T18
DB12-55X	12	55	223	8.78	135	5.31	177	6.97	177	6.97	15.0	33.1	T23
DB12-55	12	55	230	9.06	138	5.43	208	8.19	211	8.31	17.4	38.4	T18
DB12-65X	12	65	230	9.06	150	5.91	180	7.09	180	7.09	16.5	36.4	T23
DB12-65	12	65	350	13.7	166	6.54	179	7.05	179	7.05	21.0	46.3	T18
DB12-75	12	75	260	10.2	168	6.61	211	8.31	214	8.43	22.6	49.8	T18
DB12-80	12	80	260	10.2	168	6.61	211	8.31	214	8.43	23.6	52.0	T18
DB12-90	12	90	306	12.0	169	6.65	211	8.31	214	8.43	26.0	57.3	T18
DB12-100S	12	100	306	12.0	169	6.65	211	8.31	214	8.43	28.4	62.6	T18
DB12-100	12	100	330	12.9	171	6.73	214	8.43	220	8.66	30.0	66.1	T18
DB12-120	12	120	406	15.9	174	6.85	208	8.19	233	9.17	35.4	78.2	T22
DB12-135	12	135	342	13.4	172	6.77	280	11.2	285	11.2	41.0	90.4	T22
DB12-150	12	150	484	19.1	170	6.69	225	8.86	241	9.49	45.5	100	T22
DB12-180	12	180	500	19.6	208	8.19	212	8.35	238	9.37	54.5	117	T22
DB12-200S	12	200	532	20.9	207	8.15	210	8.27	215	8.46	56.5	125	T22
DB12-200	12	200	522	20.5	238	9.37	218	8.58	221	8.70	60.0	132	T22
DB12-200H	12	200	530	20.9	207	8.15	220	8.66	225	8.86	57.0	125	T22
DB12-230	12	230	522	20.5	238	9.37	218	8.58	221	8.70	65.3	144	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 or send an email to enquiry@bsbpower.com

Products specifications described herein are subject to change without prior notification.

