

Valve Regulated Lead Acid Battery

AGM LONG LIFE BATTERY DB Series

RANGE SUMMARY

By combining the newly developed corrosion resistance alloy and advanced curing process, BSB created the range of long life batteries- Duration range. The range offers 12 years of design life and top terminals. This range battery is highly suitable for UPS system, switch gear, CATV and telecommunication systems.

FEATURES AND BENEFITS

- Long life expectancy of 12 years at floating condition
- Wide temperature range from -15 to 50°C
- Thick flat plate with high Tin low Ca alloy
- Operation with any position without leakage
- Balanced design for both floating and cyclic operation
- Low self-discharge rate and long shelf life
- Excellent deep discharge recovery capability

CONSTRUCTION

- Positive plates - Thick high Sn low Ca grids to resist corrosion and prolong life
- Negative plates - Balanced lead-calcium grids for improve recombination efficiency
- Separators - Advanced AGM separators for ultra low float current
- Electrolyte - Dilute chemical grade 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 @20-25°C
- Float voltage temperature compensation: -3mV/°C/cell
- Float voltage range: 2.25 to 2.30 VPC@20- 25°C
- Cyclic application charge voltage : 2.40V/cell
- Max charge current allowable : 0.25C₁₀A



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 | 16.5 | 36.4 | T17 |
| DB6-150 | 6 | 150 | 260 | 10.2 | 180 | 7.09 | 245 | 9.65 | 250 | 9.84 | 23.5 | 51.8 | T19 |
| DB6-180 | 6 | 180 | 307 | 12.1 | 169 | 6.65 | 220 | 8.66 | 225 | 8.86 | 27 | 59.5 | T19 |
| DB6-200 | 6 | 200 | 321 | 12.6 | 176 | 6.93 | 226 | 8.90 | 229 | 9.02 | 31 | 68.4 | 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 | 16.5 | 36.4 | 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 | 21.2 | 46.7 | T17 |
| DB12-75 | 12 | 75 | 260 | 10.2 | 168 | 6.61 | 211 | 8.31 | 214 | 8.43 | 22.5 | 49.6 | T17 |
| DB12-80 | 12 | 80 | 260 | 10.2 | 168 | 6.61 | 211 | 8.31 | 214 | 8.43 | 24 | 52.9 | T17 |
| DB12-90 | 12 | 90 | 306 | 12.0 | 169 | 6.65 | 211 | 8.31 | 214 | 8.43 | 27 | 59.5 | 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 | 77.2 | T19 |
| DB12-135 | 12 | 135 | 342 | 13.5 | 172 | 6.77 | 280 | 11.0 | 285 | 11.2 | 42.5 | 93.7 | T19 |
| DB12-150 | 12 | 150 | 485 | 19.1 | 172 | 6.77 | 240 | 9.45 | 240 | 9.45 | 44.5 | 98.1 | T19 |
| DB12-180 | 12 | 180 | 494 | 19.4 | 206 | 8.11 | 209 | 8.23 | 235 | 9.25 | 54 | 119 | 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 | 66 | 146 | 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

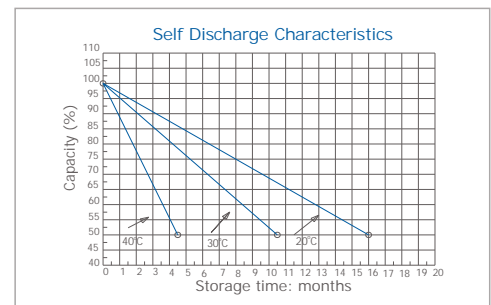
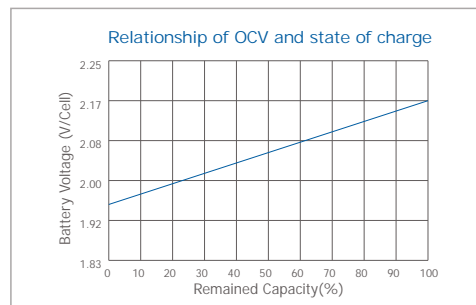
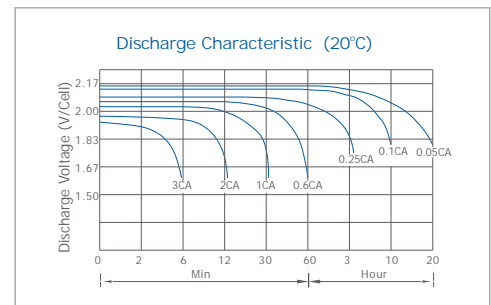
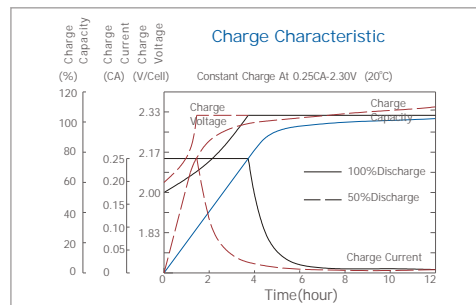
Complied Standards

- IEC 60896-21/22
- Telcordia SR-4228
- 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 battery information, please visit our website: www.bsbpower.com or email to: support@bsbpower.com or enquiries@bsbpower.com



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

