

# BSB<sup>®</sup>

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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



