

Valve Regulated Lead Acid Battery

2V HYBRID GEL BATTERY

LSG Series

RANGE SUMMARY

By combining the newly developed nano gel electrolyte with up-to-date AGM structures, BSB created the innovative LSG range of batteries. This range offers 20 years design life with very high deep cycling capability.

This series is highly suited to telecom outdoor applications, renewable energy systems and other harsh environment applications.

FEATURES AND BENEFITS

- 20 years design life in floating condition
- Wide operating temperature range from -20°C to 60°C
- Nano gel electrolyte eliminate the acid stratification and prolong cycle life
- Can be used in vertical or horizontal orientation
- Float current decreased 30% lead to excellent high temperature resistance
- Thick flat plate with high Tin low Calcium alloy
- Low self-discharge rate
- Excellent deep discharge recovery capability

CONSTRUCTION

- Positive plate : Thick high Sn low Ca grid minimize 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 with nano gel
- 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 SETTINGS

- Constant voltage charging is recommended
- Recommended float charge voltage: 2.25Vpc @ 20~25°C
- Float voltage temperature compensation: -3mV/°C/cell
- Float voltage range: 2.25 to 2.29 Vpc @ 20~25°C
- Cyclic application charge voltage : 2.35 to 2.40Vpc @ 20~25°C
- Max. charge current allowable : 0.25C10A



