

## Lead Acid Battery

## 2V TUBULAR FLOODED BATTERY

# OPzS Series

### RANGE SUMMARY

The OPzS series is a traditional tubular plate flooded battery which offers 20+ years design life according to the standard IEC60896-11. With a new design and technical improvement, it offers maximum efficiency and reliability for the widest variety of applications.

This series is highly suited for all standby power applications that require the highest levels of reliability and security.

### FEATURES AND BENEFITS

- 20+ years design life at floating condition
- Tubular positive plate with prolonged cycle life
- Highly operational reliability
- Better high-rate performance than VRLA type
- Lead calcium die cast grid with improved corrosion resistance capability
- Dry charged package and delivery ensure longer shelf life
- Explosive-proof with special designed vented plug

### CONSTRUCTION

- Positive plate : Tubular plate with die cast alloy grid
- Negative plate : Balanced Pb-Ca grid for improved recombination efficiency
- Separator : leaf shape rubber separator
- Electrolyte : Dilute high purity sulphuric acid of 1.240 specific gravity
- Battery container : SAN
- Battery 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: 2.23Vpc @ 20~25°C
- Float voltage temperature compensation: -3mV/°C/cell
- Float voltage range: 2.21 to 2.25 Vpc @ 20~25°C
- Cyclic application charge voltage : 2.35 to 2.40Vpc @ 20~25°C
- Max charge. current allowable : 0.20C10A



