

## Valve Regulated Lead Acid Battery

# AGM HIGH RATE BATTERY

## HR Series

### RANGE SUMMARY

The HR (High Rate) series is especially designed for high rate discharge applications. By using strong grids and specially designed active material, the HR series offers stable performance during high current discharge. It offers extremely high power output at 15 minutes backup time with 5~12 years design life.

It is highly suited for high rate UPS/EPS systems and power switchgear applications.

### FEATURES AND BENEFITS

- 30% increased Power output at 15 minutes backup
- 5~12 years design life in floating condition
- Optimized plate achieve low internal resistance
- Wide operating temperature range from -20°C to 55°C
- Low self-discharge rate
- Excellent deep discharge recovery capability

### CONSTRUCTION

- Positive plate : Special designed grid with Pb-Ca-Sn alloy
- Negative plate : Balanced Pb-Ca grid for improved recombination efficiency
- Separator : Low internal resistance AGM separator
- 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



