

# ■ Technical Features

## **Sealed Construction**

The unique construction and sealing techniques of the FULLRIVER battery guarantee leakproof operation in any position with no adverse effect to capacity or service life.

## **Electrolyte Suspension System**

All FULLRIVER batteries utilize an electrolyte suspension system consisting of a high porosity, glass fiber material which in conjunction with plates, totally absorb and contain the electrolyte.

## **Gas Generation**

FULLRIVER batteries incorporate a built-in design that controls gas generation and induces recombination of more than 99% of gases generated during float usage.

## **Maintenance Free Operation**

There is no need to check specific gravity of the electrolyte or add water to FULLRIVER batteries during float service life. In fact, there is no provision for this type of maintenance.

## **Low Pressure Valve Regulated System**

All FULLRIVER batteries are equipped with safety release valves, designed to operate between 2 and 5 psi and automatically reseal. Hence, there is never an excessive accumulation of gas within the battery.

## **Heavy Duty Grids**

Heavy duty lead calcium tin alloy grids provide an extra margin of performance and service life in either float or cyclic applications, even after repeated over discharges.

## **Cyclic Service Life**

More than 1000 discharge/recharge cycles can be realized from FULLRIVER batteries, dependent on the average depth of discharge.

## **Float Service Life**

FULLRIVER HGHL Series batteries have an expected life span of 6 to 8 years in float service applications.

## **Self Discharge-Shelf Life**

The self discharge rate of the HGHL series at room temperature is approximately 3% of rated capacity per month.

## **Operating Temperature**

FULLRIVER HGHL Batteries may be operated over a broad range of ambient temperatures.

## **Deep Discharge Recovery**

FULLRIVER batteries recover their capacities even after repeated deep discharges.