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

In float service applications,FULLRIVER HGL Series 22Ah and down batteries have an expected life span of 4 to 6 years; 24Ah and up batteries have an expected life span of 6 to 10 years.

Self Discharge-Shelf Life

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

Operating Temperature

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

Deep Discharge Recovery

FULLRIVER batteries recover their capacities even after repeated deep discharges.