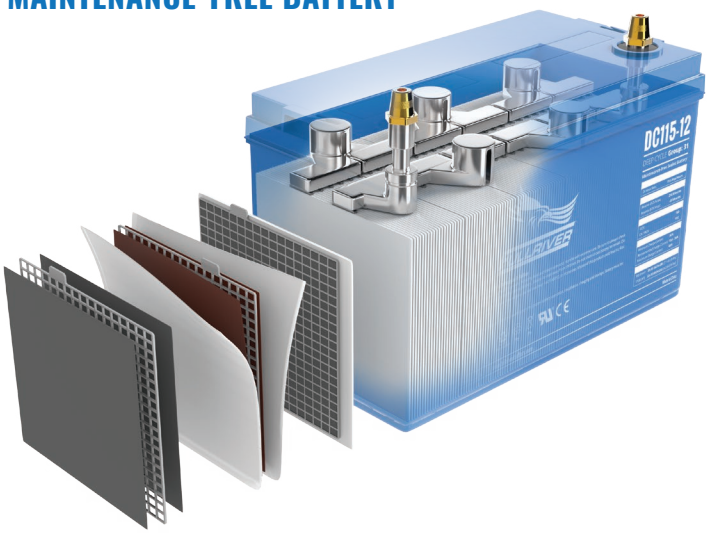
What Makes Fullriver a Premium AGM Battery?

FULLRIVER AGM IS ABOVE AND BEYOND THE DEFINITION OF **A LONG LIFE, SAFE, AND MAINTENANCE-FREE BATTERY**



	HEAT SEALED	EPOXY SEALED
PSI LIMIT	6 PSI	10 PSI

MATERIAL	IMPACT STRENGTH	RIDGIDITY
ABS Plastic	Maximum	Maximum
Polypropylene	Outstanding	Good

AGM QUALITY	PURE LEAD/OPW	OPERATING PRESSURE
Standard Grade	No/No	1 PSI
Medium Grade	Yes/Yes	1-3 PSI Polypropelene*
Fullriver AGM	Yes/Yes	2-5 PSI ABS Plastic

* Polypropelene-based cases are less rigid than ABS-based cases and tend to bulge under pressure. This lowers the pressure tolerance before catastrophic failure occurs; thus, requires a lower PSI valve setting and acceptable operating pressure.

THE KEY TO ASSESSING VALUE OF A SEALED BATTERY IS UNDERSTANDING HOW THE TECHNOLOGY WORKS

- Electrolyte in all lead acid batteries serves as pathway for electricity into and out of a battery.
- Sending electricity into batteries during recharge heats up the plates building up pressure as some of the electrolyte reach boiling temperatures.
- Valve regulated lead acid (VRLA) batteries, such as ours, have pressure sensitive valves to release pressure and avoid catastrophic failure*.
- The lower the pressure setting, the faster the battery will lose electrolyte, which lowers run time and eventually causes failure.
- Pressure settings (PSI) are determined by the case material and method used to seal the battery. PSI limits are based on the amount of pressure that will cause catastrophic failure.
- The combination of PSI limits for sealing method and rigidity of case material determine safe PSI range for operation.
- VRLA battery pressure settings are set to eliminate potential for catastrophic failure.
- Higher valve settings means less loss of electrolyte/acid during operation resulting in longer lasting batteries.

*Catastrophic failure refers to a broken seal around valves or other junction points.

FULLRIVER IS BUILT TO THE HIGHEST VRLA TOLERANCES TO EXPAND OPERATIONAL LIMITS AND EXCEL IN HIGH AMPERAGE DISCHARGE AND RECHARGE APPLICATIONS

- ABS plastic is more rigid than PPE; does not bulge under normal operation.
- Rigid casing - Epoxy sealed case increases PSI limits
- Pure lead allows for more efficient transfer of electricity during discharge and recharge; less energy lost to heat.
- Over partition welding (OPW) provides greater shock and vibration resistance

fullriverbattery.com

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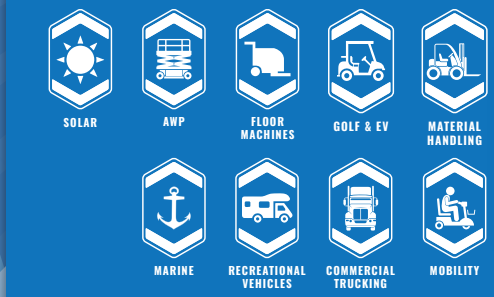
The Battery Lineup

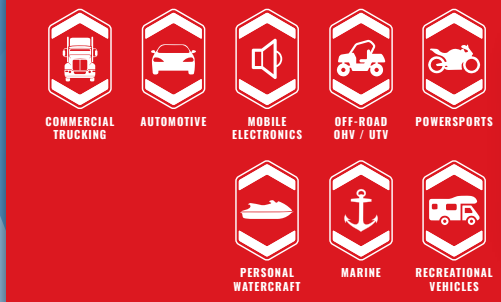
A FULLRIVER BATTERY FOR EVERY APPLICATION



DC Series

PREMIUM DEEP CYCLE AGM BATTERIES

Fullriver DC batteries provide the performance and life of a true deep cycle battery with the convenience and benefits of being maintenance-free and non-hazardous.



Full Throttle Series

HIGH-PERFORMANCE AGM BATTERIES

Full Throttle AGM batteries provide a combination of power, stability, and built-in resilience to keep you running in the most extreme conditions.

EGL Series

SUPREME DEEP CYCLE AGM BATTERIES

Fullriver EGL AGM batteries drastically improve on the performance of our deep cycle technology to offer the longest running batteries for demanding applications.

Full Force Series

DEEP CYCLE AGM BATTERIES

Full Force AGM batteries are designed for standard applications; offering better vibration resistance and higher valve settings than the nearest competitors.

DC Gel Series Series

DEEP CYCLE GEL BATTERIES

Fullriver DC Gel batteries are also maintenance-free and non-hazardous; designed to the same premium specifications as it's AGM counterpart.