

### Advantages of AGM (Absorbed Glass Matt) batteries over conventional batteries:

- Un-spillable, sealed maintenance free design, no more tedious topping up with water.
- Higher power to size ratio. More capacity and longer cycle life.
- Can be mounted in any position (except inverted).
- They have very low internal resistance allowing them to be charged and discharged rapidly. This is an advantage over gel batteries.
- Exceptional vibration resistance based on the sandwich construction (great for extreme racing).
- Will not corrode their surroundings as the acid is encapsulated.
- AGM construction allows purer lead in their plates. Plates no longer need to support its own weight based on the sandwich construction with AGM matting.
- Long shelf life, very low self discharge.



### Fullriver DC Series – Premium Quality Deep Cycle AGM Batteries

Including all the benefits above the DC range also boasts;

- Superior cycling capabilities, design life of over 200 complete discharge/recharge cycles.
- Suitable for: caravans, RV, scooters, golf caddies, floor scrubbers, electric outboard motors, solar, dual battery systems (metal jacket needed in high temperature applications), marine etc.
- Also suitable for light to medium rate engine starting.
- Full range of accessories including protective metal case and brass terminal adapters.
- 12 month warranty when used in applications above.

We currently stock from 20AH to 260AH in 12 volt and the 225 AH 6 volt.

### Fullriver HC Series – Premium Quality High Cranking AGM Batteries

Including all the benefits above the HC range also boasts;

- High capacity starting power to start any size engine. The HC100 equivalent in size to a N70ZZ is 950CCA.
- Highest reserve capacity in the industry, great for a wide range of applications.
- Include a protective metal case, great in high temperature applications.
- Include brass terminals.
- Can be used for light to medium cycling.
- Aimed to compete with the Odyssey and Optima batteries.
- Suitable for; power sports, marine, auto, commercial, extreme racing, and whenever high cranking capacity is required.



We currently stock the 20, 28, 100 and 105AH models; we will continue to grow the range.

AGM batteries are a type of VRLA (valve regulated lead acid battery) they are colloquially called SLA (sealed lead acid batteries). Gel batteries are another type of VRLA battery.

For more specifications and pricing please contact Challenge Batteries on 9446 6122 or [sales@challengebatteries.com.au](mailto:sales@challengebatteries.com.au)