



## PRODUCT OVERVIEW

The Fullriver HC-HR Series battery range features advanced AGM (Absorbent Glass Mat) technology in special heat-resistant casings making them ideal for automotive use, particularly in heavy commercial applications including long-haul road transport, 4WD dual-battery installations, mining and emergency power generation.

Now you can have the best of both worlds – a spill-proof AGM battery with more cranking power than conventional starting batteries combined with true deep-cycling capability.

High-purity lead AGM construction accepts faster re-charging, providing more useable power than conventional deep-cycle batteries, making the Fullriver HC-HR range the ultimate choice for modern interstate trucks with large-capacity engines and very high accessory power requirements.



## FEATURES AND BENEFITS

- Protective steel casing with black powder-coat finish (limited range)
- Non-spillable AGM – no corrosion
- Safe for installation in racing cars and motorsports applications
- Can be mounted in any direction (excluding upside-down)
- Low-profile sizes for limited space applications
- Low self-discharge, less than 3% per month at 25°C
- Low resistance design – ideal for both starting and cycling
- High-rate discharge – high current power delivery
- Deep-discharge with excellent recovery – rapid recharge acceptance

## SPECIFICATIONS

|                               |        |
|-------------------------------|--------|
| <b>Voltage:</b>               | 12V    |
| <b>Capacity (@20hr rate):</b> | 175AH  |
| <b>Terminal Height:</b>       | 222mm  |
| <b>Height:</b>                | 197mm  |
| <b>Length:</b>                | 513mm  |
| <b>Width:</b>                 | 223mm  |
| <b>Weight:</b>                | 56.2kg |

## CHARACTERISTICS

|  |                                   |   |
|--|-----------------------------------|---|
| <b>Capacity</b>  | 20 hour rate (6A to 10.5Volts)    | <b>175AH</b>  |
|  | 10 hour rate (11.2A to 10.5Volts) | <b>163AH</b>  |
|  | 5 hour rate (19.6A to 10.2Volts)  | <b>149AH</b>  |
| <b>Internal Resistance</b>                             | Fully charged battery 25°C        | <b>4.2mΩ</b>  |
| <b>Capacity affected by Temperature (20 hour rate)</b> | 40°C                              | <b>102%</b>   |
|  | 25°C                              | <b>100%</b>   |
|  | 0°C                               | <b>85%</b>  |
|  | -15°C                             | <b>65%</b>  |
| <b>Self Discharge (25°C)</b>                           | Capacity after 3 month storage    | <b>88%</b>  |
|  | Capacity after 6 month storage    | <b>76%</b>  |
|  | Capacity after 12 month storage   | <b>53%</b>  |
| <b>Standard Terminal</b>                               | <b>AP</b>                         |   |
| <b>Max Discharge Current (25°C)</b>                    | <b>1800A (5s)</b>                 |   |
| <b>Reserve Capacity (Minutes to 10.5V at 27°C)</b>     | @ 25 Amps                         | <b>340Min</b>   |
|  | @ 75 Amps                         | <b>85Min</b>  |
| <b>Charging (Constant Charge)</b>                      | Cycle                             | <b>Initial Charging Current 61A Or Small 14.4V~14.9V/25°C</b> |
|  | Float                             | <b>13.5V~13.8V/25°C</b>                                       |