



SEALED - MAINTENANCE FREE - **DUAL PURPOSE AGM BATTERIES**



**FULLRIVERDCBATTERY.COM**

YOUR **CLEAN-GREEN** ENERGY SOLUTION







**Fullriver Battery Mfg. Co. Ltd.** was established in 1995 in Guangzhou, China. We are proud to have earned a worldwide reputation as the Premier Quality lead acid battery manufacturer in China. We specialize in producing valve regulated sealed lead acid batteries including our high performance HC High Capacity Dual Purpose range. All of our batteries are Maintenance Free, Non-Hazardous and Non-Spillable, providing a Clean and Green alternative to conventional wet/flooded hazardous batteries.

Unlike many battery producers in China, we control the entire manufacturing process, from grid casting and plate pasting to final assembly. The importance of this cannot be overstated, it ensures total quality control. We have earned a number of quality assurance certifications including ISO9001, ISO14001, OSHAS 18001, UL, CE and TUV for quality production systems. We produce batteries to various international specifications including BCI, DIN and JIS. Today, our manufacturing facility covers 800,000 square feet, which produces a wide range of 6, 8 and 12 volt batteries.

### **HIGH CAPACITY DUAL PURPOSE AGM BATTERIES**

The Fullriver HC Series dual purpose batteries are your best solution for a high capacity starting battery with unrivaled reserve capacity to power all your accessories. Dual purpose batteries are used in many applications including: Automotive, Commercial, Emergency Vehicles, Marine, RV, Power Sports and many more. Our HC dual purpose batteries are designed to deliver more power and capacity over many life cycles. All this power, with the convenience and benefits of being non-hazardous and maintenance free.

### **YOUR CLEAN-GREEN ENERGY SOLUTION**

We produce only **Sealed, Maintenance-Free, Non-Hazardous and Non-Spillable batteries** that will provide you with a cleaner and greener alternative. You'll never need to add water to a Fullriver battery or worry about gassing or spilling of acid. Fullriver batteries can be operated upright or on their side, they are leak proof and, shock and vibration resistant.

Conventional wet/flooded batteries are filled with sulfuric acid that can spill or leak. They also emit hazardous hydrogen gasses during charging. They are classified as hazardous and dangerous goods, making them more difficult and costly to transport. All of our batteries are safe for air, sea and ground transportation. We carry various government approvals such as DOT, IATA, IMDG and ICAO, so you never have to worry about transporting or receiving our batteries.

Consumers and industries around the globe are becoming more environmentally conscious every day. We are proud to be able to give you the peace of mind that you are helping to provide a clean and green solution to your energy needs, with the performance and power that you are looking for. **We are your Clean-Green Energy Solution.**



## **FULLRIVER BATTERY: Key Features & Benefits**

Fullriver batteries are designed and manufactured to provide the following key features and benefits...

<b>KEY FEATURES</b>	<b>BENEFITS</b>
Sealed construction	Maintenance-free, spill proof, non-hazardous, DOT, IATA, ICAO and IMDG approved as safe for land, air and sea transportation, environmentally friendly
Maximum grid surface area	Extremely high cranking rates
High density paste	Highest reserve capacity and long life
Non-Spillable	Can be mounted upright or on sides
Lead-Calcium-Tin grids	Optimum strength, superior corrosion resistance and good deep discharge recovery
High porosity microporous glass mat separator	Enhanced electrolyte retention maximizes capacity
High separator compression in assembly	Excellent contact between electrolyte and plates for better performance
Over-the-partition welds, ABS case and cover resins	Rugged construction, shock and vibration resistant
Pressure regulated safety relief valves	Safe operation of batteries
Brass terminals	Superior conductivity
Low self discharge rate at 1% per month	Significantly longer shelf life than conventional wet batteries
Low internal resistance	Faster recharge time than conventional wet batteries
Tank formation	Ensures fully formed, voltage matched plates
10 day plate curing process	Superior bonding of paste to grids for long life
Certifications and industry standards include ISO9001, ISO14001, OSHAS 18001, UL, CE, TUV, DIN, BCI & JIS	Recognized around the world
Available in all standard industry sizes and capacities	Meets all application requirements

### **For more information or to find a distributor near you...**

We offer all industry standard battery sizes to meet your energy requirements. Our world-wide network of battery distributors and specialists would be happy to assist you in selecting the right Fullriver battery for your application. You can also contact us directly for questions or technical support.

For more information on Fullriver Battery or to find a distributor near you visit our website at [www.fullriverdcbattery.com](http://www.fullriverdcbattery.com) or call us at **800.522.8191**





## FULLRIVER HC SERIES: Specifications

Model	Industry Ref.	Capacity		Cranking		Terminal Type (See Below)	Dimensions - Inches (mm)				Weight lbs. (kg)
		Min. @ 25 Amps	AH @ 20 Hr Rate	PHCA 5 Sec. Pulse Hot Cranking Amps	CCA @0°F		Length	Width	Height	Total Height	
12 Volt - High Capacity Dual Purpose Sealed AGM Batteries											
HC8	-	8	8	310	100	M6	5.43 (138)	3.39 (86)	4.00 (102)	4.00 (102)	6.61 (3.0)
HC14A	-	20	14	535	200	M6M	6.70 (170)	3.90 (99.1)	6.18 (157)	6.18 (157)	11.46 (5.2)
HC14B	-	15	15	545	185	M6	6.97 (177)	3.39 (86)	5.15 (131)	5.15 (131)	11.02 (5.0)
HC15	-	25	15	370	156	M6M	7.87 (200)	3.03 (77)	5.28 (134)	5.28 (134)	12.2 (5.6)
HC18	-	26	18	625	265	M6	6.70 (170)	3.90 (99.1)	6.89 (175)	6.89 (175)	13.23 (6.0)
HC20	-	28	20	680	230	M6	7.13 (181)	3.03 (77)	6.57 (167)	6.57 (167)	15.4 (7)
HC28	-	55	28	925	410	M8	6.50 (165)	6.93 (176)	4.92 (125)	4.92 (125)	23.6 (10.7)
HC30	-	60	30	950	450	M6M	9.84 (250)	3.82 (97)	5.59 (142)	6.14 (156)	23.4 (10.6)
HC35	U1	50	35	975	438	M6	7.72 (196)	5.16 (131)	6.57 (167)	6.57 (167)	26.7 (12.1)
HC40	-	70	40	1100	500	M6M	9.84 (250)	3.82 (97)	7.56 (192)	8.11 (206)	32.9 (14.9)
HC44	-	80	44	1200	560	M8	7.80 (198)	6.54 (166)	6.69 (170)	6.69 (170)	33.3 (15.1)
HC55	22NF	100	55	1300	620	M6	9.02 (229)	5.43 (138)	8.19 (208)	8.35 (212)	39.7 (18.0)
HC60	-	105	60	1340	700	M6M	8.66 (220)	4.76 (121)	9.72 (247)	10.28 (261)	45.2 (20.5)
HC64	25	120	64	1400	750	AP	9.46 (240)	6.84 (173.7)	7.95 (202)	8.64 (220)	49.2 (22.3)
HC65/T	34	135	65	1500	825	Brass AP	10.28 (261)	6.75 (171.5)	7.19 (182.5)	8.03 (204)	46 (20.9)
HC65/ST	34	135	65	1500	825	FR45 w/ Brass AP	10.28 (261)	7.09 (180)	7.19 (182.5)	8.15 (207)	46.2 (21)
HC70	93	160	70	1650	900	M8	13.82 (351)	6.57 (167)	7.05 (179)	7.05 (179)	54.7 (24.8)
HC75	65	150	75	1750	935	Brass AP	11.83 (300)	7.20 (182.9)	6.79 (172.5)	7.43 (188.7)	57.5 (26.1)
HC80	L5	168	80	1800	890	AP	13.90 (353)	6.89 (175)	7.48 (190)	7.48 (190)	67 (27.7)
HC100	27	185	100	1950	950	Dual Terminal (Brass AP & Stud)	12.09 (307)	6.65 (169)	8.31 (211)	9.33 (237)	71 (32.2)
HC105	31	242	105	2150	1050	Brass AP	12.99 (330)	6.77 (172)	8.43 (214)	8.66 (220)	75 (34)
HC110	31	252	110	2200	1100	M10M Center Stud	12.99 (330)	6.81 (173)	8.43 (214)	9.33 (237)	77.4 (35.1)
HC120	6T	273	120	2250	1150	Brass AP	11.18 (284)	10.55 (268)	8.09 (205.5)	8.25 (209.5)	85.3 (38.7)

Note: Not all models listed above are stocked in US inventories. Please call your local distributor for more information.

## FULLRIVER HC SERIES: Terminal Configurations

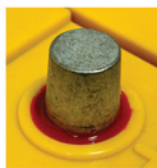
To ensure quality and durability, Fullriver Battery utilizes the highest grade lead and brass when manufacturing our battery terminals.



**Dual Terminal**  
(Brass AP & Stud)



**\*TP Brass AP**  
(TP07 or TP08)



**Automotive Post**  
(AP)



**Stud**  
(M6M or M10M)



**M Terminal**  
(M6 or M8)



**FR45 Adapter**

\*The TP07 and/or TP08 Brass AP's can be fitted to any of our M terminals if required.



## FULLRIVER HC SERIES: Battery Spotlight



**HC8** (Res. Min: 8 - CCA: 100 - C20: 8AH)

Length: 5.43" (138mm) Width: 3.39" (86mm) Height: 4.00" (102mm) Weight: 6.61 lbs. (3.0 kg)



**HC14A** (Res. Min: 20 - CCA: 200 - C20: 14AH)

Length: 6.70" (170mm) Width: 3.90" (99.1mm) Height: 6.18" (157mm) Weight: 11.46 lbs. (5.2 kg)



**HC14B** (Res. Min: 15 - CCA: 185 - C20: 15AH)

Length: 6.97" (177mm) Width: 3.39" (86mm) Height: 5.15" (131mm) Weight: 11.02 lbs. (5.0 kg)



**HC15** (Res. Min: 25 - CCA: 156 - C20: 15AH)

Length: 7.87" (200mm) Width: 3.03" (77mm) Height: 5.28" (134mm) Weight: 12.2 lbs. (5.6 kg)



**HC18** (Res. Min: 26 - CCA: 265 - C20: 18AH)

Length: 6.70" (170mm) Width: 3.90" (99.1mm) Height: 6.89" (175mm) Weight: 13.2 lbs. (6.0 kg)



**HC20** (Res. Min: 28 - CCA: 230 - C20: 20AH)

Length: 7.13" (181mm) Width: 3.03" (77mm) Height: 6.57" (167mm) Weight: 15.4 lbs. (7 kg)



**HC28** (Res. Min: 55 - CCA: 410 - C20: 28AH)

Length: 6.50" (165mm) Width: 6.93" (176mm) Height: 4.92" (125mm) Weight: 23.6 lbs. (10.7 kg)



**HC30** (Res. Min: 60 - CCA: 450 - C20: 30AH)

Length: 9.84" (250mm) Width: 3.82" (97mm) Height: 5.59" (142mm) Weight: 23.4 lbs. (10.6 kg)

## FULLRIVER HC SERIES: Battery Spotlight



**HC35** (Res. Min: 50 - CCA: 438 - C20: 35AH)

Length: 7.72" (196mm) Width: 5.16" (131mm) Height: 6.57" (167mm) Weight: 26.7 lbs. (12.1 kg)



**HC40** (Res. Min: 70 - CCA: 500 - C20: 40AH)

Length: 9.84" (250mm) Width: 3.82" (97mm) Height: 8.11" (206mm) Weight: 32.9 lbs. (14.9 kg)



**HC44** (Res. Min: 80 - CCA: 560 - C20: 44AH)

Length: 7.80" (198mm) Width: 6.54" (166mm) Height: 6.69" (170mm) Weight: 33.3 lbs. (15.1 kg)



**HC55** (Res. Min: 100 - CCA: 620 - C20: 55AH)

Length: 9.02" (229mm) Width: 5.43" (138mm) Height: 8.35" (212mm) Weight: 39.7 lbs. (18.0 kg)



**HC60** (Res. Min: 105 - CCA: 700 - C20: 60AH)

Length: 8.66" (220mm) Width: 4.76" (121mm) Height: 10.28" (261mm) Weight: 45.2 lbs. (20.5 kg)



**HC64** (Res. Min: 120 - CCA: 750 - C20: 64AH)

Length: 9.46" (240mm) Width: 6.84" (173.7mm) Height: 8.64" (220mm) Weight: 49.2 lbs. (22.3 kg)



**HC65/T** (Res. Min: 135 - CCA: 825 - C20: 65AH)

Length: 10.28" (261mm) Width: 6.75" (171.5mm) Height: 8.03" (204mm) Weight: 46 lbs. (20.9 kg)



**HC65/ST** (Res. Min: 135 - CCA: 825 - C20: 65AH)

Length: 10.28" (261mm) Width: 7.09" (180mm) Height: 8.15" (207mm) Weight: 46.2 lbs. (21 kg)



## FULLRIVER HC SERIES: Battery Spotlight



**HC70** (Res. Min: 160 - CCA: 900 - C20: 70AH)

Length: 13.82" (351mm) Width: 6.57" (167mm) Height: 7.05" (179mm) Weight: 54.7 lbs. (24.8 kg)



**HC75** (Res. Min: 150 - CCA: 935 - C20: 75AH)

Length: 11.83" (300mm) Width: 7.20" (182.9mm) Height: 7.43" (188.7mm) Weight: 57.5 lbs. (26.1 kg)



**HC80** (Res. Min: 168 - CCA: 890 - C20: 80AH)

Length: 13.90" (353mm) Width: 6.89" (175mm) Height: 7.48" (190mm) Weight: 67 lbs. (27.7 kg)



**HC100** (Res. Min: 185 - CCA: 950 - C20: 100AH)

Length: 12.09" (307mm) Width: 6.65" (169mm) Height: 9.33" (237mm) Weight: 71 lbs. (32.2 kg)



**HC105** (Res. Min: 242 - CCA: 1050 - C20: 105AH)

Length: 12.99" (330mm) Width: 6.77" (172mm) Height: 8.66" (220mm) Weight: 75 lbs. (34 kg)



**HC110** (Res. Min: 252 - CCA: 1100 - C20: 110AH)

Length: 12.99" (330mm) Width: 6.81" (173mm) Height: 9.33" (237mm) Weight: 77.4 lbs. (35.1 kg)



**HC120** (Res. Min: 273 - CCA: 1150 - C20: 120AH)

Length: 11.18" (284mm) Width: 10.55" (268mm) Height: 8.25" (209.5mm) Weight: 85.3 lbs. (38.7 kg)





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