

The Right Battery

# MOPAR

Ultimate Power. Ultimate Performance.

## BATTERY | APPLICATION GUIDE



MOPAR.

AUTHENTIC PERFORMANCE™

# BATTERY BASICS

MOPAR® OFFERS A FULL LINE OF BATTERIES TO MEET A VEHICLE'S SPECIFIC NEEDS

The battery is the heart of a vehicle's electrical system. So it is very important that a battery is capable of delivering the necessary electricity when called for and capable of accepting electricity when it is in a low state of charge.

Another important feature of the battery is that it acts as a giant capacitor in a vehicle's electrical system. It absorbs many abnormal and transient voltages that are created by the various electrical components of the system.

If a battery is not up to specifications it will not deliver the necessary electricity, it will not accept electricity and it will not act as a capacitor. Consequently, the vehicle's entire electrical system will be affected when this happens.

Battery replacement may be necessary if you experience any of the following: loss of power in cold or extended starts, slow or interrupted turnover of the starting motor, or if a battery discharge light on the vehicle instrument panel is lit (if equipped). If you are experiencing any of these symptoms, you should have your battery and/or electrical system checked.

Batteries are identified by test standards and rating methods that measure their ability and whether they have enough energy in reserve. These guidelines are set forth by the Society Of Automotive Engineers (SAE) and the Battery Council International (BCI), a trade association representing the lead-acid battery industry.

## GROUP SIZE

The BCI assigns a Group Size number to every battery. Vehicle manufacturers engineer batteries to meet their vehicles' needs, then BCI assigns a Group Size number to that battery. This number identifies the maximum overall dimensions, terminal location and other features that affect the way the battery fits in the vehicle's battery tray. For example, a Group Size 34 has the following dimensions: 10 1/4" length, 6 13/16" width and 7 7/8" height.

## COLD CRANKING AMPERAGE

Cold Cranking Amperage (CCA) performance is a rating used to describe high-rate discharge capacity at low temperature. It is the discharge load (in amperes) that a new, fully-charged battery at 0 °F (-18 °C) can continuously deliver for 30 seconds and maintain a terminal voltage equal to or higher than 1.2 volts per cell.

Be aware that vehicles with larger engines and/or with more electrical accessories generally require batteries with higher CCA ratings. Make sure your replacement battery meets the minimum CCA performance. For example, a Group Size 34 Mopar 84 Series has 800 CCA at 0 °F (-18 °C), whereas a Mopar 72 Series for the same Group Size has 600 CCA.

## CRANKING AMPS

This test/rating is performed at a warmer temperature than CCA ratings. Cranking Amps (CA), sometimes referred to as Marine Cranking Amps (MCA), is the discharge load at 32 °F (0 °C) that a new fully-charged battery can deliver for 30 seconds and maintain a minimum terminal voltage of 1.2 volts per cell.

## RESERVE CAPACITY

Reserve Capacity (RC) is a rating that estimates the time a battery may last in the event of a charging system failure. RC is the time (minutes) which a new, fully-charged battery at 80 °F (27 °C) can be continuously discharged at 25 amperes and

maintain a terminal voltage equal to or higher than 1.75 volts per cell, or 10.5 volts total for a 12-volt battery.

## AMPERE-HOURS

Ampere-Hours (AH) ratings specify the current (amperes) that a fully-charged battery can produce steadily for twenty hours, maintaining a minimum of 10.5 volts. AH is seldom printed on automotive battery identification labels.

## STARTING VS. DEEP CYCLE BATTERIES

Most automotive applications call for "starting" batteries that deliver high currents for short periods of time, such as when "starting" an engine. "Deep cycle" batteries often used in RV and marine applications are designed to deliver power for longer cycle times. Some batteries are dual purpose, i.e. starting and deep cycle.

## A WORD ON SPECS

Vehicle electrical systems require batteries that provide certain power demands, in addition to the obvious size and terminal location requirements. Be sure to select a replacement battery that has the correct BCI Group Size number. Also make certain the vehicle's minimum CCA and RC ratings are met. These specifications can be found on the O.E. battery label or an O.E. service manual.



## MOPAR BATTERY REFERENCE LIST

Whether you need a performance battery, an economy battery or something in between, your Chrysler, Dodge, Jeep® or Ram dealer has the power to get you started.

Mopar batteries feature nationwide warranty replacement at any Chrysler, Dodge, Jeep or Ram dealership. They also come with no-cost replacement, nationwide roadside assistance and/or jump-start assistance depending upon the battery.

GROUP SIZE	MOPAR 84 SERIES	CCA	NO-CHARGE REPLACEMENT LIMITED WARRANTY	PRORATED LIMITED WARRANTY	EXTRA BENEFITS
27	BBH27750AA	750	24 Months	7 Years/ 84 Months	Roadside Assistance
34	BBH34800AA	800	24 Months	7 Years/ 84 Months	Roadside Assistance
58	BBH58550AA	550	24 Months	7 Years/ 84 Months	Roadside Assistance
65	BBH65800AA	800	24 Months	7 Years/ 84 Months	Roadside Assistance
H7	BBAH7800AA	800	24 Months	7 Years/ 84 Months	Roadside Assistance
H8	BBAH8800AA	800	24 Months	7 Years/ 84 Months	Roadside Assistance
GROUP SIZE	MOPAR 72 SERIES	CCA	NO-CHARGE REPLACEMENT LIMITED WARRANTY	PRORATED LIMITED WARRANTY	EXTRA BENEFITS
24	BB024525AA	525	18 Months	6 Years/ 72 Months	Jump-Start Assistance
26R	BB26R510AA	510	18 Months	6 Years/ 72 Months	Jump-Start Assistance
27	BB027750AA	750	18 Months	6 Years/ 72 Months	Jump-Start Assistance
31A	BB31A950AA	950	18 Months	6 Years/ 72 Months	Jump-Start Assistance
34	BB034600AA	600	18 Months	6 Years/ 72 Months	Jump-Start Assistance
34U	BB34U900AA	900	18 Months	6 Years/ 72 Months	Jump-Start Assistance
58	BB058550AA	550	18 Months	6 Years/ 72 Months	Jump-Start Assistance
65	BB065800AA	800	18 Months	6 Years/ 72 Months	Jump-Start Assistance
75	BB075510AA	510	18 Months	6 Years/ 72 Months	Jump-Start Assistance
78	BB078800AA	800	18 Months	6 Years/ 72 Months	Jump-Start Assistance
86	BB086525AA	525	18 Months	6 Years/ 72 Months	Jump-Start Assistance
H6	BB048640AA	640	18 Months	6 Years/ 72 Months	Jump-Start Assistance
H7	BB94R750AA	750	18 Months	6 Years/ 72 Months	Jump-Start Assistance
H7	BB0H7700AA	700	18 Months	6 Years/ 72 Months	Jump-Start Assistance
H8	BB049850AA	850	18 Months	6 Years/ 72 Months	Jump-Start Assistance
T5	BB0T500AA	500	18 Months	6 Years/ 72 Months	Jump-Start Assistance
GROUP SIZE	MOPAR 60 SERIES	CCA	NO-CHARGE REPLACEMENT LIMITED WARRANTY	PRORATED LIMITED WARRANTY	EXTRA BENEFITS
25	BB025550AA	550	18 Months	5 Years/ 60 Months	Jump-Start Assistance
26	BB026525AA	525	18 Months	5 Years/ 60 Months	Jump-Start Assistance
26R	BB26R450AA	450	18 Months	5 Years/ 60 Months	Jump-Start Assistance
27	BB027700AA	700	18 Months	5 Years/ 60 Months	Jump-Start Assistance
34	BB034525AA	525	18 Months	5 Years/ 60 Months	Jump-Start Assistance
58	BB058460AA	460	18 Months	5 Years/ 60 Months	Jump-Start Assistance
65	BB065600AA	600	18 Months	5 Years/ 60 Months	Jump-Start Assistance
70	BB070525AA	525	18 Months	5 Years/ 60 Months	Jump-Start Assistance
GROUP SIZE	MOPAR UNIVERSAL ECONOMY	CCA	NO-CHARGE REPLACEMENT LIMITED WARRANTY	PRORATED LIMITED WARRANTY	EXTRA BENEFITS
34/78	BBU34550AA	550	6 Months	—	—
75/86	BBU75450AA	450	6 Months	—	—

\* Best fit estimate.

## PASSENGER CAR

MODEL YEAR	GROUP SIZE	MOPAR 84 SERIES PART NO.	CCA	MOPAR 72 SERIES PART NO.	CCA	MOPAR 60 SERIES PART NO.	CCA	MOPAR UNIVERSAL ECONOMY PART NO.*
<b>300</b>								
2011–2005 LX	H7	—	—	BB94R750AA	750	—	—	—
<b>300M</b>								
2003–1993 LH	34	BBH34800AA	800	BB078800AA	800	BB034525AA	525	BBU34550AA
<b>AVENGER</b>								
2011–2007 JS	86	—	—	BB086525AA	525	—	—	—
2000–1995 FJ	86	—	—	BB086525AA	525	—	—	BBU75450AA
<b>BREEZE</b>								
2000–1995 JA	75	—	—	BB075510AA	510	—	—	BBU75450AA
<b>CALIBER</b>								
2011–2007 PM	86	—	—	BB086525AA	525	—	—	—
<b>CHALLENGER</b>								
2011–2008 LC	H7	—	—	BB94R750AA	750	—	—	—
<b>CHARGER</b>								
2011–2005 LX	H7	—	—	BB94R750AA	750	—	—	—
<b>CIRRUS</b>								
2000–1995 JA	75	—	—	BB075510AA	510	—	—	BBU75450AA
<b>CONCORDE</b>								
2003–1993 LH	34	BBH34800AA	800	BB078800AA	800	BB034525AA	525	BBU34550AA
<b>CROSSFIRE</b>								
2007–2004 ZH	H6	—	—	BB048640AA	640	—	—	—
<b>INTREPID</b>								
2003–1993 LH	34	BBH34800AA	800	BB078800AA	800	BB034525AA	525	BBU34550AA
<b>JOURNEY</b>								
2011–2009 JC	86	—	—	BB086525AA	525	—	—	BBU75450AA
<b>LHS</b>								
2003–1993 LH	34	BBH34800AA	800	BB078800AA	800	BB034525AA	525	BBU34550AA
<b>MAGNUM</b>								
2008–2005 LX	H7	—	—	BB94R750AA	750	—	—	—
<b>NEON</b>								
2005–2000 PL	26R	—	—	BB26R510AA	510	BB26R450AA	450	—
1999–1995 PL	58	—	—	BB058550AA	550	BB058460AA	460	—
<b>NEW YORKER</b>								
2003–1993 LH	34	BBH34800AA	800	BB078800AA	800	BB034525AA	525	BBU34550AA
<b>PACIFICA</b>								
2008–2004 CS	34	BBH34800AA	800	BB034600AA	600	—	525	BBU34550AA
<b>PROWLER</b>								
2003–1997 PR	34	BBH34800AA	800	BB034600AA	600	BB034525AA	525	BBU34550AA
<b>PT CRUISER</b>								
2010–2001 PT	26R	—	—	BB26R510AA	510	BB26R450AA	450	—
<b>SEBRING</b>								
2011–2007 JS	86	—	—	BB086525AA	525	—	—	—
2011–2007 JS/JT/JD	86	—	—	BB086525AA	525	—	—	BBU75450AA
2006–2001 JR	75	—	—	BB075510AA	510	—	—	BBU75450AA
2000–1995	86	—	—	BB086525AA	525	—	—	BBU75450AA

\* Best fit estimate.

3. | NOTE: Part numbers and applications are subject to change without notice.

## PASSENGER CAR (CONTINUED)

MODEL YEAR	GROUP SIZE	MOPAR 84 SERIES PART NO.	CCA	MOPAR 72 SERIES PART NO.	CCA	MOPAR 60 SERIES PART NO.	CCA	MOPAR UNIVERSAL ECONOMY PART NO.*
<b>SEBRING CONVERTIBLE</b>								
2011-2007 JS	86	—	—	BB086525AA	525	—	—	BBU75450AA
2006-2001 JR	75	—	—	BB075510AA	510	—	—	BBU75450AA
2000-1996 JX	75	—	—	BB075510AA	510	—	—	BBU75450AA
<b>SEBRING COUPE</b>								
2005-2001 ST	86	—	—	BB086525AA	525	—	—	BBU75450AA
<b>STRATUS COUPE</b>								
2005-2001 ST	86	—	—	BB086525AA	525	—	—	BBU75450AA
<b>STRATUS SEDAN</b>								
2006-2001 JR	75	—	—	BB075510AA	510	—	—	BBU75450AA
<b>STRATUS</b>								
2000-1995 JA	75	—	—	BB075510AA	510	—	—	BBU75450AA
<b>TALON</b>								
2000-1995 FJ	86	—	—	BB086525AA	525	—	—	BBU75450AA
<b>VIPER</b>								
2010-2003 ZB	34	BBH34800AA	800	BB034600AA	600	BB034525AA	525	BBU34550AA
2002-1993 SR	78	—	—	BB078800AA	800	—	—	—
<b>VISION</b>								
2003-1993 LH	34	BBH34800AA	800	BB078800AA	800	BB034525AA	525	BBU34550AA

\* Best fit estimate.

## MINIVAN

Group	GROUP SIZE	MOPAR 84 SERIES PART NO.	CCA	MOPAR 72 SERIES PART NO.	CCA	MOPAR 60 SERIES PART NO.	CCA	MOPAR UNIVERSAL ECONOMY PART NO.*
<b>TOWN &amp; COUNTRY</b>								
2010-1996 NS/RS/RT	34	BBH34800AA	800	BB034600AA	600	BB034525AA	525	BBU34550AA
<b>CARAVAN</b>								
2010-1996 NS/RS/RT	34	BBH34800AA	800	BB034600AA	600	BB034525AA	525	BBU34550AA

\* Best fit estimate.

## TRUCK

Group	GROUP SIZE	MOPAR 84 SERIES PART NO.	CCA	MOPAR 72 SERIES PART NO.	CCA	MOPAR 60 SERIES PART NO.	CCA	MOPAR UNIVERSAL ECONOMY PART NO.*
<b>ASPEN</b>								
2010-2007 HG	65	BBH65800AA	800	BB065800AA	800	BB065600AA	600	—
<b>DAKOTA**</b>								
2011-2005 ND	65	BBH65800AA	800	BB065800AA	800	BB065600AA	600	—
2004-1993 AN	27	BBH27750AA	750	BB027750AA	750	BB027600AA	600	BBU34550AA
<b>DURANGO**</b>								
2009-2004 HB	65	BBH65800AA	800	BB065800AA	800	BB065600AA	600	—
2003-1998 DN	27	BBH27750AA	750	BB027750AA	750	BB027600AA	600	BBU34550AA
<b>DURANGO HYBRID</b>								
2009 HB-HEV	T5			BB0T5550AA	550			

\* Best fit estimate.

## TRUCK (CONTINUED)

Group	GROUP SIZE	MOPAR 84 SERIES PART NO.	CCA	MOPAR 72 SERIES PART NO.	CCA	MOPAR 60 SERIES PART NO.	CCA	MOPAR UNIVERSAL ECONOMY PART NO.*
<b>NITRO</b>								
2011-2007 KA	34	BBH34800AA	800	BB034600AA	600	BB034525AA	525	BBU34550AA
<b>RAM TRUCK†</b>								
2011-2010 DJ/DC/DM/D2	H7	—	—	BB94R750AA	750	—	—	—
2011-2009 DS	H7	—	—	BB0H7700AA	700	—	—	—
2008–2002 DR/DH	65	BBH65800AA	800	BB065800AA	800	BB065600AA	600	—
2002–1994 BE/BR	27	BBH27750AA	750	BB027750AA	750	BB027600AA	600	BBU34550AA
<b>RAM VAN/WAGON**</b>								
2003–1994 AB	27	BBH27750AA	750	BB027750AA	750	BB027600AA	600	BBU34550AA
<b>SPRINTER</b>								
2007–2002 VA	H8	BBAH8800AA	800	BB049850AA	850	—	—	—

\* Best fit estimate.

\*\* Some fleet customers require 750 CCA applications.

† Ram Turbo Diesel requires two batteries.



MODEL YEAR	GROUP SIZE	MOPAR 84 SERIES PART NO.	CCA	MOPAR 72 SERIES PART NO.	CCA	MOPAR 60 SERIES PART NO.	CCA	MOPAR UNIVERSAL ECONOMY PART NO.*
<b>CHEROKEE</b>								
2001–1998 XJ	34	BBH34800AA	800	BB034600AA	600	BB034525AA	525	BBU34550AA
1997–1990 XJ	58	BBH58550AA	550	BB058550AA	550	BB058460AA	460	—
<b>COMMANDER</b>								
2010-2006 XK	H7	—	—	BB0H7700AA	700	—	—	—
<b>COMPASS</b>								
2011-2007 MK-49	86	—	—	BB086525AA	525	—	—	—
<b>GRAND CHEROKEE</b>								
2011 WK≈	H7	BBAH7800AA	800	—	—	—	—	—
2010–2005 WK	H7	—	—	BB0H7700AA	700	—	—	—
2004–1999 WJ	65	BBH65800AA	800	BB065800AA	800	BB065600AA	600	—
1998–1993 ZJ	34	BBH34800AA	800	BB034600AA	600	BB034525AA	525	BBU34550AA
<b>LIBERTY</b>								
2011-2008 KK	34	BBH34800AA	800	BB034600AA	600	BB034525AA	525	BBU34550AA
2007–2003 KJ	34	BBH34800AA	800	BB034600AA	600	BB034525AA	525	BBU34550AA
2007 DIESEL	34	04868999AC	800	—	—	—	—	—
2002 KJ	86	—	—	BB086525AA	525	—	—	BBU75450AA
<b>PATRIOT</b>								
2011-2007 MK-74	86	—	—	BB086525AA	525	—	—	—
<b>WRANGLER</b>								
2011-2007 JK	34	BBH34800AA	800	BB034600AA	600	BB034525AA	525	BBU34550AA
2006–1997 TJ	34	BBH34800AA	800	BB034600AA	600	BB034525AA	525	BBU34550AA
1995–1991 YJ	58	BBH58550AA	550	BB058550AA	550	BB058460AA	460	—

\* Best fit estimate.

≈ AGM Battery



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## QUESTIONS?

Mopar Battery Hot Line at **1-800-738-4224**



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