



12v battery dimensions chart

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To calculate how much reserve power you need, and thus which battery to use, check out our [Calculator for Sizing a 12 Volt Battery to a Load](#). [Battery Group Size Chart for 12 Volt Deep Cycle RV & Marine batteries](#)

Common Battery Sizes by Vehicle Type. The BCI designations include the group definition, dimensions, measurements, types, sizes, and other characteristics. The [battery conversions chart](#) can help you to cross-reference battery sizes, but it is also useful to understand the various group sizes that are designated for different types of vehicles.

We put together the below chart for these scenarios to help you find a battery that will fit your application. All dimensions listed are maximum outside dimensions to the widest point, including terminal posts and flanges (based on data from the BCI Battery Replacement Data Book).

The size chart indicates the battery polarity and dimensions such as width, height, and length. Every number on the chart corresponds to a size set. This article explores various aspects of the battery size chart and a guide to choosing the best battery size for your applications.

Compare the group size recommended by your vehicle manufacturer with the battery size chart to find a compatible battery. Ensure the dimensions and terminal types match. What is the difference between CCA and reserve capacity?

Find the right battery size for your vehicle with this comprehensive chart of BCI group sizes and dimensions. Compare different battery types, such as AGM, mari...

When purchasing a battery, you will see a series of numbers and letters in the name. These numbers and letters are the BCI group size of the battery. BCI stands for Battery Council International. This is a trade association that includes manufacturers, recyclers, distributor, and retailer organizations that supply original and after-market batteries.

BCI sets the standards for the dimensions, weights, and testing procedures for any battery that is sold in the United States. The organization also promotes legislation that pertains to the safe recycling and handling of lead-acid batteries. BCI encourages research and innovation to improve the safety, efficiency, and sustainability of battery technology.

When choosing a battery, you will hear terms like, "group 51R" or "type 31 marine" battery. These numbers refer to the physical size of the battery case. BCI currently lists over 130 different battery group designations. The designation gives you information about the intended application and type of vehicle for which the battery is intended. It also provides the length, width, height, type of

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assembly, terminal positions, and which post is the positive terminal.

The Best Group 65 Battery – Buyer's GuideChoosing the Best Deep Cycle Group 31 AGM Battery – Buyer's GuideThe Best Group 51R, 51 Battery – Buyer's Guide

First, each vehicle comes with a specific battery tray size, whether it’s a car, truck, SUV, commercial vehicle, boat, recreational vehicle, or other vehicles. It is important to choose a battery that has a snug fit in the tray. Otherwise, the battery could move around and get damaged or damage the vehicle.

Secondly, batteries have battery posts in different positions. Getting the wrong battery means that you might not be able to hook up the cables. You should always get a battery that has enough amps to start your vehicle and maintain the power needed to run modern electronics. If you get a battery that is undersized for your car, then it will not start. This is especially true in colder weather when it takes more power to turn over the engine.

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