



# Group 24 battery size dimension

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There are no direct interchangeable alternatives for group 24 battery if we speak about dimensions, but if your battery space hasn't strict limits, you can choose a little bigger or smaller battery group. If your battery compartment cannot accommodate a larger battery, you can choose a smaller one. In both cases, you must securely fasten your new battery with a battery holder. If your battery holder can't hold the alternative battery group, you can buy a universal battery holder to fit in different types of batteries.

These dimensions will fit you in 99% of cases when you want to use a different battery group instead of a 24 battery since most battery compartments have a height margin and strict limitations on height and width only, which match batteries in the table below. Please check the battery compartment before you buy a battery from this group.

If you need to increase current capacity and reduce charging time, connect batteries in parallel. When group 24 batteries are in parallel, their voltage is equal to the voltage of one battery, while current capacity equals to the sum of all its battery capacities. If you have two 12V lead-acid batteries with 60 Ah capacity and you connect them in parallel, you'll get 12 Volts with 120 Ah.

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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



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

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.

Although BCI is the most common battery group classification system in the United States, others do exist. EN and DIN are other battery group classification systems that you will sometimes see in owner's manuals or when shopping for batteries. If you can't find the right battery in the listed group, then you can use this car battery size chart to find an equivalent using another battery classification system.

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