

Three Things To Consider When Buying A Battery – SIZE, POWER, AND FEATURES & BENEFITS

1. **SIZE** **What are the dimensions of your original equipment battery?**

The Battery Council International (BCI) uses a number called group size to identify the height, length and width of numerous original equipment sizes. Exide's battery selector will help you find the type of battery for your vehicle quickly and easily. (Link to battery selector) Or, consult your vehicle's owner's manual or ask your battery retailer. Any of these options will provide the vehicle manufacturer's group size and CCA rating requirements for your car

2. **POWER** **What are the power requirements of your vehicle?** There are two ratings which may be important for you to consider.

Cold Cranking Amps (CCA)

This industry rating measures the cranking power a battery has available to start a car's engine at 0°F. Battery Council International defines it as the number of amperes a lead acid battery at 0 degrees F can deliver for 30 seconds and maintain at least 1.2 volts per cell. In general the higher the number, the greater the starting power of the battery.

Remember: Never use a battery with a CCA lower than the manufacturer's recommendation. Also, be judicious when choosing a battery with a CCA level higher than necessary for the application. A higher CCA does provide greater starting power that might be needed in extreme conditions, in some group sizes, it also reduces the amount of acid in the battery. This can be a cause of reduced battery life.

Also, whenever available, a battery with a higher CCA is more capable of providing for the electrical needs of older vehicles, and will not adversely affect the vehicle's electrical system.

Reserve Capacity (RC)

As power demands become increasingly important, so does the need for more reserve capacity. A battery's **Reserve Capacity** represents the length of time the battery can maintain the vehicle's electrical needs without the engine turned on or in the event the alternator fails. Battery Council International defines **Reserve Capacity** as a measure of the time (in minutes) a lead-acid battery can deliver 25 amps at 80°F and maintain terminal voltage of at least 1.75 volts/ cell. (battery voltage of 10.5 volts) In general, the higher the minute rating, the greater the battery's ability to run your lights, DVD players, Radio, and other accessories with the vehicle off before recharging is necessary.

3. **ADDITIONAL FEATURES AND BENEFITS**

WARRANTY

Automotive batteries are backed by an exclusive warranty and free replacement guarantee. Exide offers some of the best warranties in the industry.

FREE JUMPSTART

Exide is there for you in the event of an emergency with a free jumpstart on both the NASCAR® Extreme and NASCAR® Select series of batteries for the duration of the free replacement warranty

period.

BATTERY TECHNOLOGY

There are different technologies of batteries which deliver unique benefits to the end user.

- Flooded Lead Acid – This is the traditional technology used for the last 100 years to power cars, heavy duty trucks, commercial vehicles, boats, motorcycles, etc
- Advanced Flooded Lead Acid with Silver Shield Technology – This is an advanced flooded technology found in the NASCAR® Extreme™ series of products which features Exide's patented Silver Shield cast grids for improved endurance.
[View Nascar Extreme Product](#)
- Absorbed Glass Mat (AGM) - AGM is the top of the line battery at Exide. An AGM (Absorbed Glass Mat) battery is one where the battery water-acid electrolyte fluid is held in place with a specialized glass mat (like a sponge). A standard lead-acid battery has the electrolyte in a free floating fluid mix throughout the case.

This technology can be manufactured in two different ways:

"Spiral Wound" AGM – These high tech, spiral wound and sealed batteries are featured in Exide Orbital series of starting and deep cycle batteries for both automotive and marine applications. The plates (or separator mats) are wound or rolled into a tubular form like a roll of carpet and placed in multiple configurations where the cylinders may or may not be visible.

[View Orbital Products](#)

"Flat Plate" AGM – These high tech, sealed batteries are featured in Exide RoadForce for Heavy Duty Group 31 applications and Exide Megacycle for Marine applications. The positive plates, negative plates, and separator material are arranged in a straight line or row of six sets inside the battery, somewhat like slices of bread in a loaf. The plates are compressed and inserted onto the battery container.

[View Heavy Duty Roadforce Product](#) [View Marine Megacycle Product](#)

Choosing a Car Battery and an Exide Dealer Near You

Choosing a car battery is made easy at Exide with our online battery selector. Simply enter the year, make, model, and engine size. We will provide you the part number for the battery that will fit your car.

Choosing a dealer is also made easy at Exide with our online dealer locator. Simply enter your zip code and the battery type such as auto, marine, heavy duty, etc. Exide will provide you a list of dealers near you.