

# Types of automotive batteries

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In this article, we'll go over the different car battery types out there and also cover some FAQs on car batteries, including an easy solution to battery issues.

The automotive battery is a rechargeable battery used to start a vehicle. Its primary purpose is to send a voltage to the starter, which provides the spark for the internal combustion engine. It also powers the electrical components of the car, like your headlights, wipers and radio.

The flooded lead acid battery is the oldest car battery type, and it's very common and affordable. It's also called the SLI battery, which stands for "Starting, Lighting, Ignition."

The flooded battery is a wet cell battery. It's typically made of 6 cells with a liquid electrolyte solution of sulfuric acid and water and supplies a voltage of 12.6V at full charge.

It's a reliable battery for starting engines and provides enough electrical energy to power standard vehicle accessories. However, the electrolyte solution needs to be topped off periodically, and it must be installed vertically to prevent spillage.

This battery type was designed as an improvement over the flooded battery technology. It's still a lead acid battery with an electrolyte solution, but uses lead-calcium-silver plates instead of the lead-antimony plates in the conventional battery.

The EFB battery is an optimized, higher-performance wet cell battery. It uses a liquid electrolyte solution, but it's a sealed battery, designed to take on twice the cycling endurance.

The EFB battery can provide about 85,000 engine cranks compared to the 30,000 of conventional flooded batteries. It was introduced as a lower-tier option to the AGM battery for durability and performance, often used in cars with simple start-stop technology.

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