

All About Lead-Acid Batteries

When people think about lead-acid batteries, they usually think about batteries that start their cars. These are starting batteries. They deliver a short burst of high power to start the engine. There are also many other kinds of lead acid batteries, such as Marine batteries, Deep-cycle batteries, Standby batteries, Motorcycle batteries etc You'd find these in boats, caravans and recreational vehicles, Burglar alarms, Hospitals, Telephone exchanges and other places where they are used to power accessories like fridges, trolling motors, winches or lights and to supply power in cases of mains power failures.

Lead-acid batteries are used for a vast number of purposes,

What the Automotive Battery Does

- Supplies power to the starter and ignition system to start the engine.
- Supplies the extra power necessary when the vehicle's electrical load exceeds the supply from the charging system.
- Acts as a voltage stabilizer in the electrical system. The battery helps to even out voltage spikes and prevents them from damaging other components in the electrical system.

What the Standby Battery Does

- Supplies electrical power to critical systems in the event of a power outage.
- Acts as a voltage stabilizer, to smooth out fluctuations in the electrical generation systems.
- Temporarily holds large electrical loads as electric utilities switch from one generation system to another.

What the Motive Battery Does

- Powers the motor that drives an electric vehicle, such as forklift truck.
- Powers accessories like headlights on an electric vehicle.
- Provides power for a specific purpose on an electric vehicle, such as the lift on an electric fork lift truck.

