

Lead acid battery pros and cons

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Lead acid batteries are long-haul storage devices, for delivering 6- 12- or 24-volt loads over several years. Few others can self-start combustion motors, and energize fork lift trucks shifting tons of materials with rivaled efficiency. They are also ideal for golf carts, mobility vehicles, e-bikes, garage door openers, and other applications. However, there are pros and cons of lead acid batteries to consider too.

Pure lead would be too soft for the plates serving as electrodes storing electrical energy. And so manufacturers add other metals, to provide mechanical strength. UPS Battery Center manufactures lead acid batteries for deep cycle applications, meaning they can withstand progressive discharges over time.

But one of the pros and cons of lead acid batteries to remember is a full discharge degrades them. That's because some of the electrical energy that shuttles between the electrodes becomes "lost in transit". The older the battery becomes, the more significant the effect. Therefore, lead acid batteries should be replaced according to manufacturer instructions.

Lead acid batteries are power supply devices. Nowadays they supply stepped-down energy to consumer products containing electronic circuits. Some 95% of electronic problems are down to power supply. If your burglar alarm or gate opener is behaving strangely, check the state of the battery first.

Lead acid batteries are built to recharge, however being 6- 12- or 24-volt means we should follow safety precautions. UPS Battery Center supplies SLA-type sealed lead acid batteries. But out of an abundance of caution we still recommend recharging them in ventilated space.

Lead acid batteries are among the most robust storage types available. However, we could still possibly damage them by recharging them wrongly. Always use the correctly-rated charger, and follow the maker's instructions. Therefore a trusted brand from a known supplier is always best.

Affordable Lead Acid Batteries are Dependable

Preview Image: Inside a Lead Acid Battery



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