Lithium 48 volt battery price

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LiFePO4 batteries offer a longer lifespan, lighter weight, faster charging, and higher efficiency than traditional lead-acid batteries. They"re maintenance-free and provide a consistent power output.

Our 51.2V LiFePO4 battery is commonly called a "48V" battery to align with standard terminology in the industry. Many customers and applications have long used 48V lead-acid batteries, so maintaining this naming convention helps with easier understanding and compatibility.

Technically, the battery"s nominal voltage is 51.2V, reflecting the true voltage output of lithium iron phosphate (LiFePO4) cells, which operate at 3.2V per cell. By keeping the "48V" label, customers familiar with traditional 48V setups can seamlessly upgrade to lithium technology, enjoying the benefits of higher capacity, longer life, and more consistent performance without confusion about compatibility.

So while our battery may be called "48V," rest assured it"s engineered for more powerful and efficient output, making it the ideal replacement for conventional lead-acid systems in any 48V-compatible application.

Read on What"s the Differences Between 48V VS 51.2V batteries for more information.

When you receive your battery, it may have a low state of charge (SOC) due to transportation and storage. To ensure optimal performance, charge the battery immediately to avoid over-discharge.

LiTime"s 48V LiFePO4 batteries are rated for 4,000 cycles at 100% depth of discharge, giving them an expected lifespan of around 10 years with regular use.

Yes, these batteries are compatible with solar setups. For best performance, use an MPPT solar charge controller designed for lithium batteries to maximize charging efficiency.

Yes, these batteries are well-suited for golf carts, providing a steady, reliable power source without the maintenance or risk of acid spills associated with lead-acid batteries.

Yes, multiple 48V LiFePO4 batteries can be connected in parallel to increase the overall capacity, although series connections to increase voltage are not recommended for these batteries.

Yes. LiFePO4 is an inherently safe chemistry and the most stable lithium-type battery on the market. LiTime lithium cells are certificated by UL, FCC, CE, RoHS, and UN38.3 to ensure their quality and safety.

It is not recommended to fully discharge LiFePO4 batteries. Although these batteries can handle deep discharges better than lead-acid batteries, frequently discharging them to 0% can reduce their lifespan and

performance. It"s best to recharge the battery before it drops below a very low level, ideally at 20% or higher.

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