



Lithium battery pack for golf cart

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An Ionic lithium battery is the best option if you want a long-lasting, more cost ...

While it's a well-known fact that lithium batteries are superior in almost every way, it can be tricky to know exactly what you should look for when buying one. In this guide, we'll cover the benefits of using lithium and the things you should consider when buying them. Then, we'll outline some of the best lithium batteries currently available on the market.

Before you confirm a purchase, you'll want to make sure you're getting the battery that's right for you by taking the following into consideration.

Measured in Ah (ampere-hours), a battery's capacity is the amount of power it can discharge in a single-use. In other words, it's how long the battery will last before it needs recharging. Pretty much all lithium batteries will easily cover you for 18 holes of golf. Some batteries, with an AH of around 100, can run for as long as 36 holes.

Voltage is basically the amount of electrical power that your lithium battery holds. 24v is a fairly standard amount of voltage for lithium golf cart batteries.

It's essential to check the dimensions of your golf cart battery holder before you purchase a new battery. If you choose a battery that is larger than your holder, you will have a lot of difficulty keeping it secure. If you cross-reference the dimensions of your cart holder against the size of the battery, you can ensure your new lithium battery will be a good fit.

Most lithium batteries weigh between 10 and 20 kg – a fraction of the weight of your average lead-acid battery. By using a lithium battery, your weight-to-performance ratio will be greatly increased. However, you should be aware that higher-capacity lithium batteries are slightly heavier than standard.

Many older carts run on lead batteries which means they may require a conversion kit to be installed into the cart to alter the voltage and accept a new battery. Lithium batteries are also usually different sizes to lead batteries so you should take that into account when converting. This means you may also have to buy battery spacers. It's likely best to use a 48v lithium battery as a drop-in solution if you're upgrading to lithium, but these are generally more expensive than lower-voltage batteries.

Lithium batteries are often much safer than lead batteries to charge. They usually have surge protection, smart chargers, and overcharge protection to make it safe for your to leave the charger on overnight. Many models don't even need to be removed from the cart to charge. However, you should check if the exact battery you plan to buy has these features.



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Enduro Power lithium batteries are fast becoming the brand to beat in terms of lithium batteries and for good reason. Their batteries have a huge lifespan, are more compact than most competitors, can easily be connected in a series, have excellent surge protection, and are capable of both under and overvolting.

Enduro Power manufacture and ship its batteries from inside the USA. That means fast delivery times on potential custom orders too. Since these batteries are smaller and can be connected as a series, it may even be possible for you to double the battery life of your golf cart, depending on the space you have for batteries.

The only letdown of the Enduro Power lithium batteries for golf carts is that they are expensive compared to most of the competition. Yet, if budget isn't an issue for you, then these batteries are the obvious choice to keep your golf cart running for as long as possible.

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