



# **LiFePO4 12V Series Replacement lead acid battery Tiger New Power**

What are LiFePO4 batteries used for?

Our LiFePO4 battery are widely used in Solar & Wind Storage Battery Systems, Electronic Vehicles, replacement of Lead Acid batteries, and other electronic devices, such as cameras, power tools, electric razors, flashlights, toys. We export to most countries in Europe, United States and Southeast Asia with annual sales exceeds US\$360 million.

Can A LiFePO4 battery replace a lead acid battery?

This is very close to the voltage required for lead acid batteries. Several sources suggest the use of dedicated lithium charging systems that simply switch off at 14.6V and on again at a much lower voltage, while many say that the LiFePO4 battery can be used as a direct replacement for a lead acid battery.

How do I charge LiFePO4 batteries?

To charge LiFePO4 batteries, you'd need a BMS (Battery Management System) that accepts the output of your APC (Uninterruptible Power Supply), charges the LiFePO4 batteries, keeps them at the desired voltage, and provides the APC with the voltage it requires, even if it's a false representation. You'd also need some smarts/circuitry between the APC and your batteries.

What is a 12V LiFePO4 battery?

Most 12V LiFePO4 batteries are designed as a replacement for a car/truck/boat/RV battery and in particular, EXACTLY to be charged by an ordinary car alternator that is limited at 14.2-14.6 volt. (In contrast, PV/wind/offgrid installations are usually made from single 3.2V cells with external BMS)

Where is LiFePO4 battery made?

Established its first factory to produce lead acid battery in Foshan, Guangdong in 1999, after years of growth, the group becomes one of the leading companies in lead acid battery. In 2013, we invest a new factory in Dongguan to start in LiFePO4 battery, to provide more clean and high efficiency energy to our partners all over the world.

Where can Tiger new power manufacture VRLA batteries?

Guancheng District, Dongguan, Guangdong, China Tiger New power has 16 years experience in VRLA battery and 10 years experience in industrial batteries, with factory both in China and Vietnam. We have full range of Lead acid /AGM /Gel /LiFePO4 batteries for different application.



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