

# **Voltage per string of lithium iron phosphate battery pack**





## Overview

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Why is voltage chart important for lithium ion phosphate (LiFePO<sub>4</sub>) batteries?

Voltage chart is critical in determining the performance, energy density, capacity, and durability of Lithium-ion phosphate (LiFePO<sub>4</sub>) batteries. Remember to factor in SOC for accurate reading and interpretation of voltage. However, please abide by all safety precautions when dealing with all kinds of batteries and electrical connections.

What is lithium ion phosphate rechargeable battery voltage?

The voltage of Lithium-ion phosphate rechargeable batteries varies depending on the SOC. As the battery charges or discharges, the voltage increases. The higher the LiFePO<sub>4</sub> battery voltage, the more increased capacity and energy stored. Here are some basic definitions to enable you to understand LiFePO<sub>4</sub> battery voltage better.

Why are lithium iron phosphate (LiFePO<sub>4</sub>) batteries so popular?

Lithium Iron Phosphate (LiFePO<sub>4</sub>) batteries are increasingly popular due to their high energy density, long cycle life, and safety features.

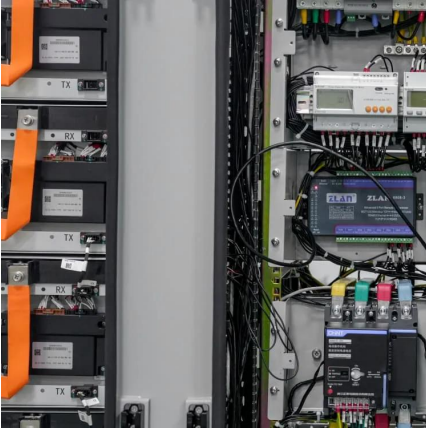
What is a lithium iron phosphate battery?

Compared to old-school lead-acid or ternary lithium batteries, lithium iron phosphate batteries are safer at high temps, with a low risk of thermal runaway, and they're free of heavy metals, aligning with green trends. Key Specs: Nominal Voltage: 3.2V (per cell). Capacity Range: Typically 50Ah-300Ah, fitting various devices.



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