



# Lithium battery charge chart

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The lithium-ion battery voltage chart is an important tool that helps you understand the potential difference between the two poles of the battery. The key parameters you need to keep in mind, include rated voltage, working voltage, open circuit voltage, and termination voltage. Different lithium battery materials typically have different battery voltages caused by the differences in electron transfer and chemical reaction processes. Most popular voltage sizes of lithium batteries include 12V, 24V, and 48V.

Jackery Portable Power Stations feature NMC or stable LiFePO<sub>4</sub> batteries that can charge most of your electronic devices for long hours. The fully upgraded BMS (Battery Management System) technology ensures safe electricity supply to the appliances without worrying about voltage fluctuations. They also have high temperature resistant capabilities for efficient operation at different temperatures.

A lithium-ion battery relies on lithium-ion cells that store power by creating an electrical potential difference between positive and negative battery poles. There's an insulating layer called a separator that divides the two battery sides. It allows only the lithium-ion to pass through while blocking the electrons. There are six types of lithium-ion batteries, explained below.

Jackery Explorer Portable Power Stations have either NMC or LiFePO<sub>4</sub> batteries to charge most electrical appliances for extended periods. They are highly stable, have a long life cycle, and operate well in cold temperatures.

The lithium-ion battery voltage chart lets you determine the discharge chart for each battery and charge them safely. Here is 12V, 24V, and 48V battery voltage chart:



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