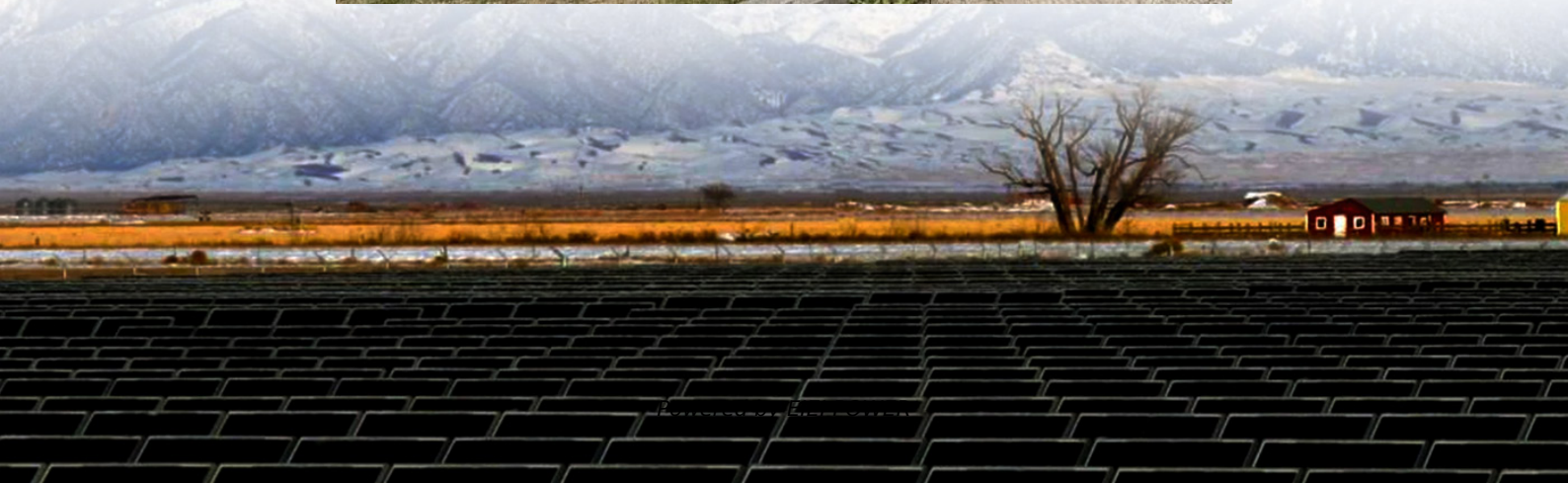


# **Base station lithium iron phosphate battery series connection**





## Overview

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Lithium battery banks using batteries with built-in Battery Management Systems (BMS) are created by connecting two or more batteries together to support a single application. Connecting multiple lithium ba.

How many volts can a lithium iron phosphate (LiFePO<sub>4</sub>) battery run?

For example; 4 x 12V 100Ah Lithium Iron Phosphate (LiFePO<sub>4</sub>) batteries wired in series/parallel will give you 24V 400A. Note connect in Series first and then in Parallel. The voltage and capacity of a system wired in series will be increased. Wiring batteries in series will boost voltage but not capacity.

What is a lithium battery bank?

Lithium battery banks using batteries with built-in Battery Management Systems (BMS) are created by connecting two or more batteries together to support a single application.

Why are lithium batteries connected in series?

Lithium batteries are connected in series when the goal is to increase the nominal voltage rating of one individual lithium battery - by connecting it in series strings with at least one more of the same type and specification - to meet the nominal operating voltage of the system the batteries are being installed to support.

Why is it important to connect LiFePO<sub>4</sub> batteries correctly?

This is why it is important to connect batteries correctly. Due to their design, you can combine LiFePO<sub>4</sub> batteries to meet your specific energy needs. Often, people make this connection to: When batteries are connected in parallel, the voltage stays the same, but the capacities (Ah) are added.



## Base station lithium iron phosphate battery series connection

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### How to Connect LiFePO4 Batteries Safely in Parallel or Series

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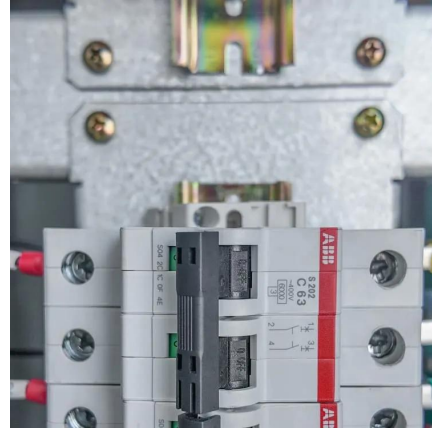
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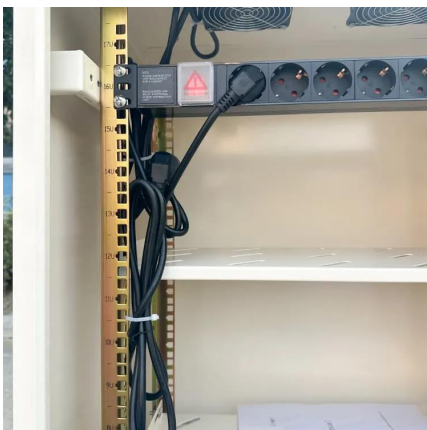
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