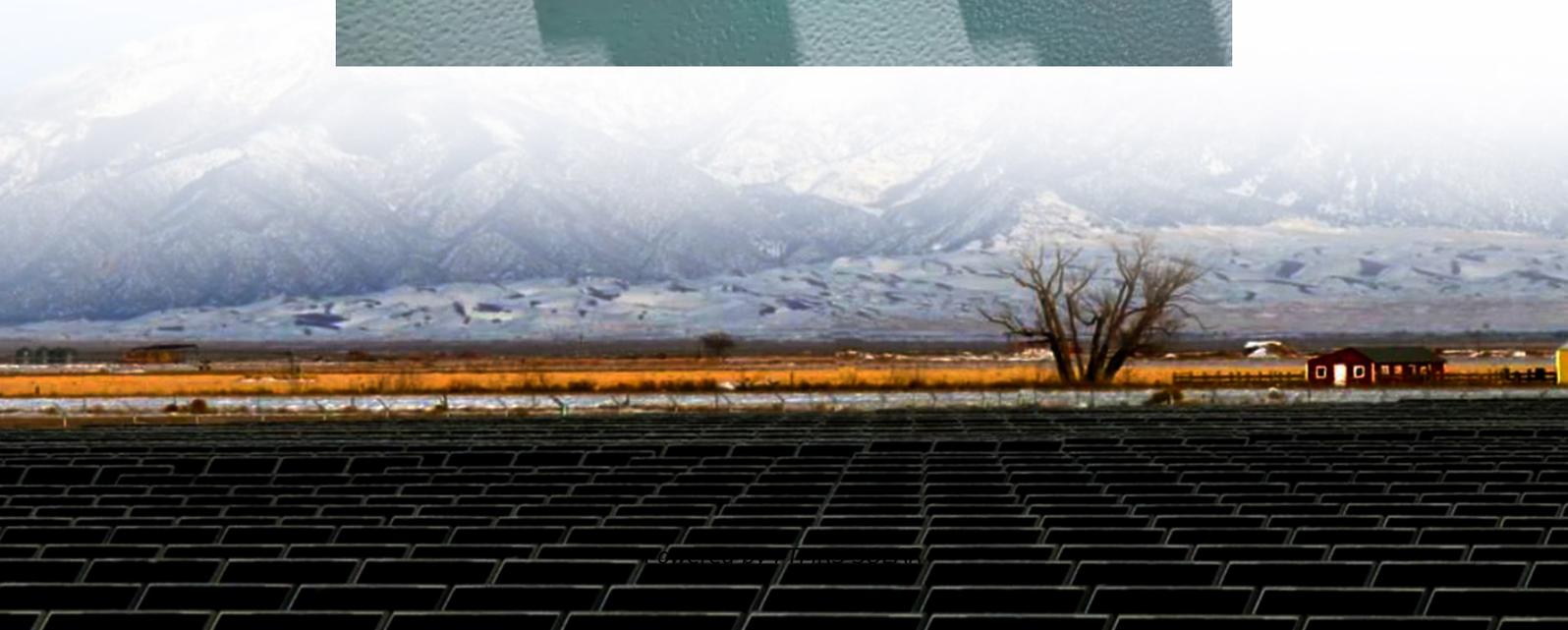
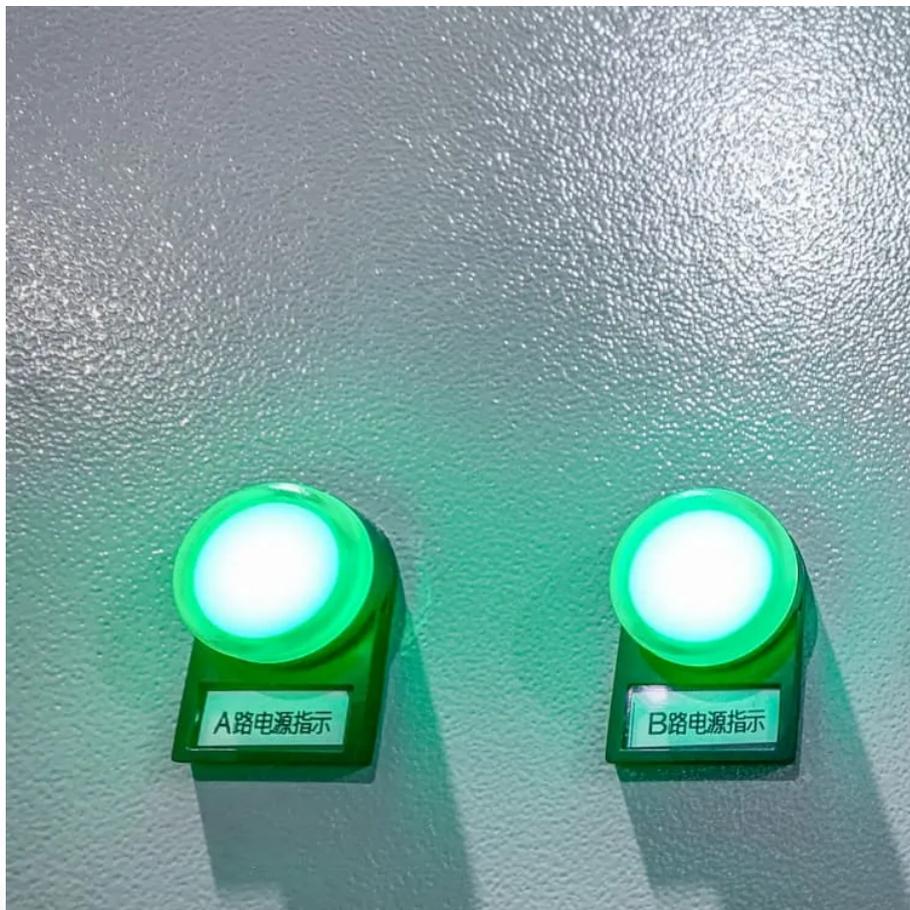


How to connect new energy battery cabinets in series





Overview

How do I connect batteries in series?

To connect batteries in series, start by confirming all batteries have the same voltage and capacity. You'll connect the positive terminal of one battery to the negative terminal of the next. This setup increases your total voltage while maintaining the amp-hour capacity.

Can a battery be connected in series?

When connecting batteries in series: Never cross the remaining open positive and negative terminals with each other, as this will short-circuit the batteries and cause damage or injury. The other type of connection is parallel. Parallel connections will increase your capacity rating, but the voltage will stay the same.

What is a series battery connection?

When you connect batteries in series, you fundamentally increase the total voltage while keeping the same amp-hour capacity. In a series connection, you link batteries by connecting the positive terminal of one battery to the negative terminal of the next. For example, two 12V batteries will give you a total voltage of 24V.

Why should you connect batteries in series?

Regularly monitor the voltage of each battery to catch any weak units early, preventing system failures and extending the overall performance of your setup. When you connect batteries in series, you can greatly boost your total voltage output while keeping the same amp-hour capacity.



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Step 1 - Series First
Step 2 - Parallel Each Series Set
Quick Vocabulary Reference
First, we recommend putting each set in series first. To do this, you will use a jumper between the inner positive and negative terminals of each set to increase the voltage, as seen in the picture below:
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