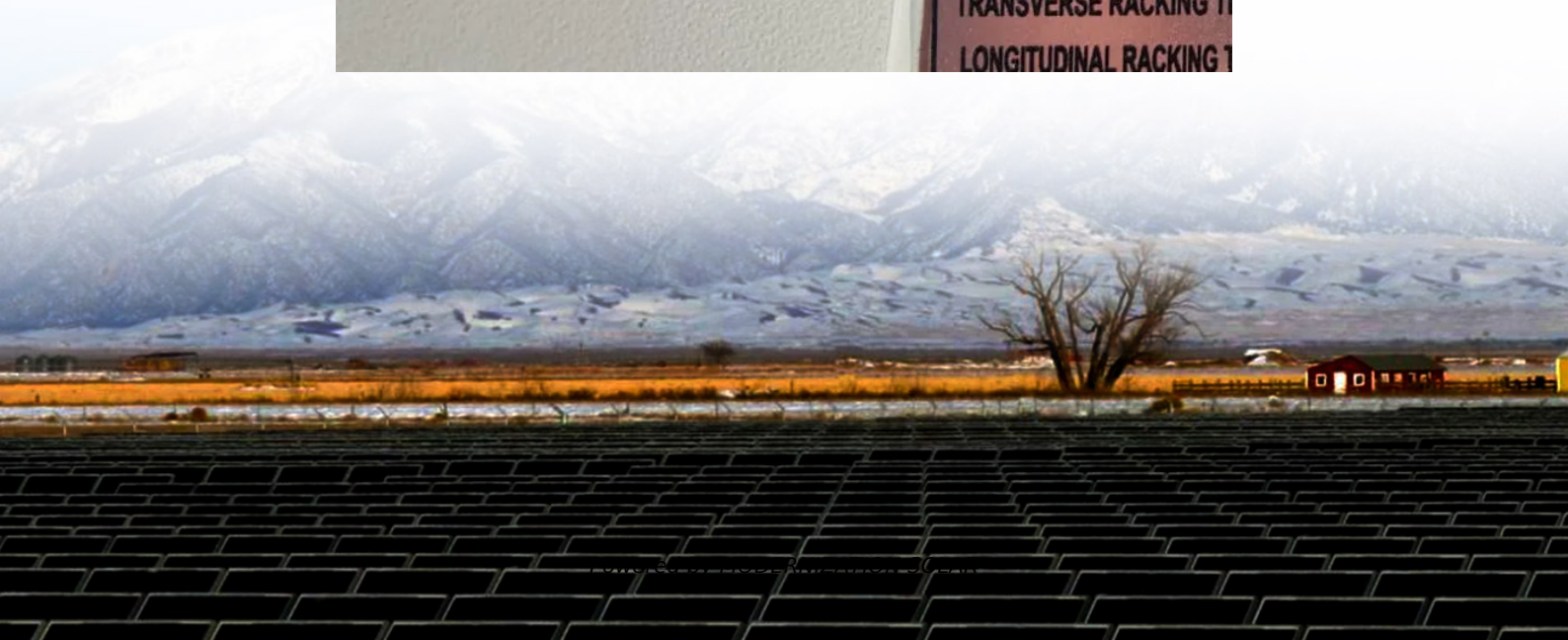
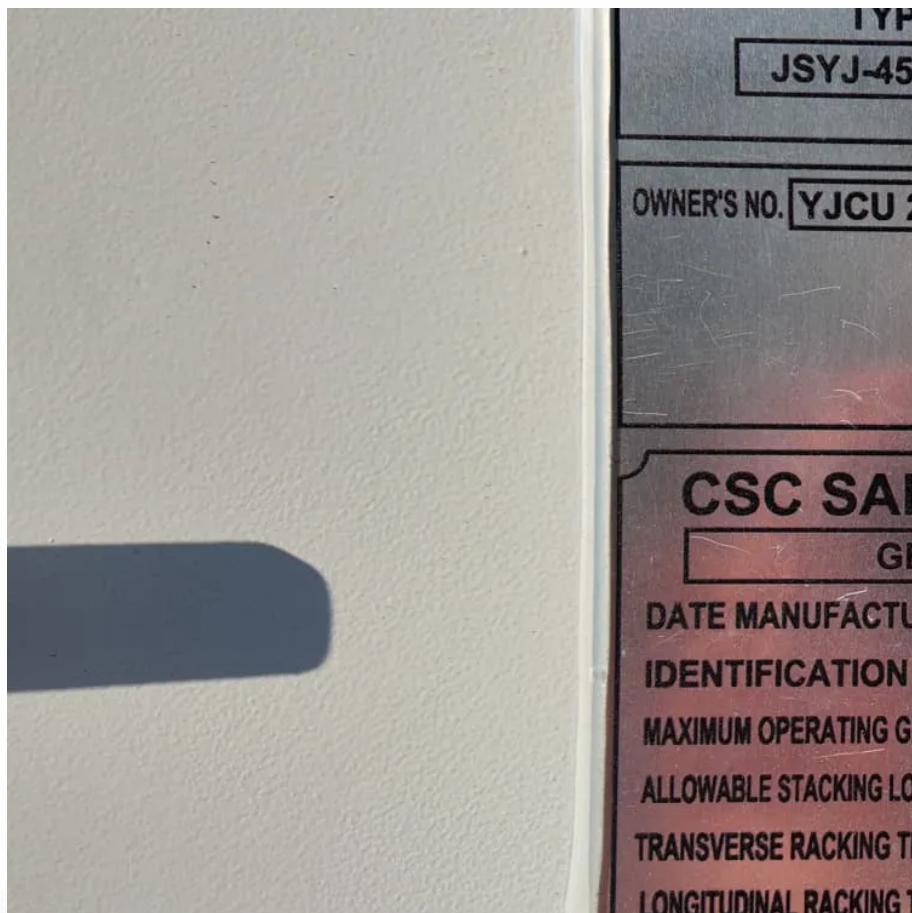


# **Solar container battery series and parallel charging logic**





## Overview

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How to connect lithium solar batteries in parallel?

**Connecting Lithium Solar Batteries in Parallel:** When connecting batteries in parallel, the positive terminals are connected together, and the negative terminals are connected together. The ampere-hour capacity of the individual batteries adds up, while the total voltage remains the same as the individual batteries.

How to connect lithium solar batteries in series?

**Connecting Lithium Solar Batteries in Series:** To connect lithium solar batteries in series, you simply link the negative pole of one battery to the positive pole of the next battery. This ensures that the same current flows through all the batteries. The total voltage of the series connection is the sum of the individual voltages.

Why do batteries need a parallel connection?

It may be to increase the voltage or simply to maintain the system by connecting batteries in parallel or series-parallel connections. Series connection and parallel connection are the two primary ways you can connect two or more batteries to increase voltage (the pressure of electricity), capacity or both.

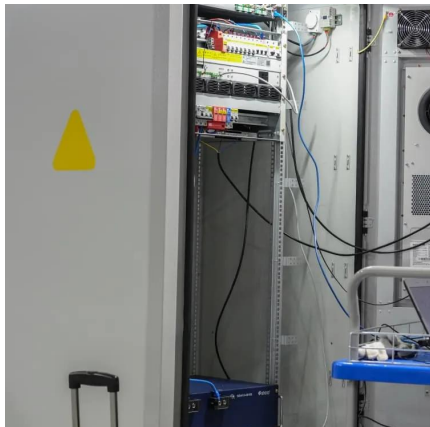
Why do parallel-connected batteries need longer charging periods?

In parallel-connected batteries, the enlarged capacity of the battery array often results in the need for extended charging periods. In comparison to batteries arranged in series, achieving equivalent power output with parallel-connected batteries necessitates a higher current due to the lower system voltage.



## Solar container battery series and parallel charging logic

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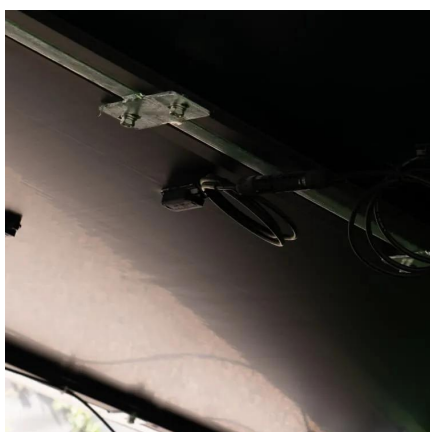


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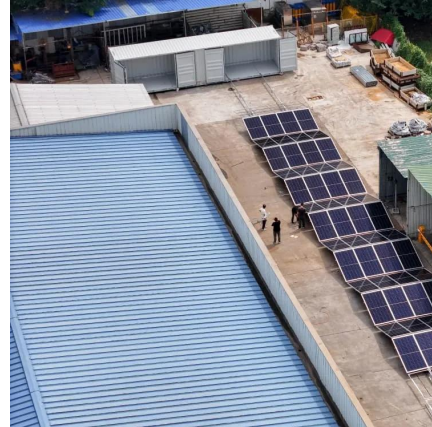


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