

How to use two batteries

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A series-parallel connection can give us a balance, increasing both voltage and capacity by combining both methods, but it's important to do so correctly to maintain the electrical system's stability and performance.

When installing dual batteries, it's essential to pair the positive terminal of the primary battery with the negative terminal of the secondary battery. This arrangement is known as a series connection, which is crucial for a 24V system.

However, for RVs, caravans, or motorhomes requiring a 12V dual battery system, the **parallel connection** is used, connecting positive to positive and negative to negative terminals. Here is a concise breakdown of the steps:

— Identify the terminals: Marked with a (+) for positive and a (-) for negative. — Use quality cables: Ensure they are appropriate for carrying the electrical load. — Secure the connection: Tighten terminal clamps to avoid power interruptions.

They allow two batteries to be charged simultaneously from one alternator without being directly connected. This means that you can operate auxiliary electronics without the risk of draining the starter battery. Here's a simple table to understand the components:

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