

# How big a solar panel does a 165a battery require





## Overview

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What size solar panel do I Need?

Required Solar Panel Size (W): The sizes are quadruple those needed for 12V batteries with the same capacity, due to the higher voltage. A 100Ah 48V battery requires a 240W panel, while a 100Ah 12V battery needs a 60W panel. The higher the voltage of the battery, the larger the solar panel required to charge it, all else being equal.

What is a solar panel size calculator?

The Solar Panel Size Calculator is an essential tool for anyone looking to harness the power of the sun efficiently. This calculator simplifies the process of determining the optimal size for solar panels based on specific battery specifications, including ampere-hours (Ah), voltage, battery type, and the charge controller type.

What is a solar panel and Battery sizing calculator?

A Solar Panel and Battery Sizing Calculator is an invaluable tool designed to help you determine the optimal size of solar panels and batteries required to meet your energy needs. By inputting specific details about your energy consumption, this calculator provides tailored insights into the solar setup that will best suit your requirements.

How do I determine the ideal solar battery size?

Calculate your ideal solar battery size: input daily kWh, backup days, & battery DoD to determine the capacity needed for your system.



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