



# How big a solar panel does a 42ah battery need

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Learn how to calculate the right battery size for solar systems using energy needs, DoD, and real-world examples.

To find the right battery size, convert watt-hours to amp-hours (Ah) using the formula:  $\text{Battery Ah} = (\text{Total Wh} \div \text{Battery Voltage})$  Now consider depth of discharge (DoD) ...

To determine the number of solar panels you need, assess your home's average energy use in kilowatt-hours. The amount of sunlight in your area ...

Generally, we recommend keeping to a system size that means your self-consumption ratio remains above 30%. Remember: The ...

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