



## What inverter should I use for 12v85ah



### Overview

Note!The battery size will be based on running your inverter at its full capacity  
Assumptions 1. Modified sine wave inverter efficiency: 85% 2. Pure sine wave inverter efficiency:90% 3. Lithium Battery:100% Depth of discharge limit 4. lead-acid.  
To calculate the battery capacity for your inverter use this formula Inverter capacity (W)\*Runtime (hrs)/solar system voltage = Battery Size\*1.15 Multiply the result by 2 for lead-acid type. Related Posts 1. What Will An Inverter Run & For How Long?

2. Solar Battery Charge Time Calculator 3. Solar Panel Calculator For Battery: What Size Solar Panel Do I Need?

I hope this short guide was helpful to you, if you have any queries Contact us do drop a. You would need around 24v150Ah Lithium or 24v 300Ah Lead-acid Batteryto run a 3000-watt inverter for 1 hour at its full capacity Here's a battery size chart for any size inverter with 1 hour of load runtime Note! The input voltage of the inverter should match the battery voltage. (For example 12v battery for 12v.



## Article Content

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Inverter Wire Size Calculator

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What Size Inverter do I Need? [with Examples]

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10 Important Facts To Know Before Installing an ...

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### Solar Inverter Sizing Calculator: Important Guide

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### Find the Right Inverter Size: How Big An Inverter ...

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### Secrets Of Selecting An Inverter For Your Van Build

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Calculator

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