

# **45a battery discharge with inverter**





## Overview

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How long do Inverter Batteries last?

Battery backup duration varies based on battery capacity, load, and battery health. A typical 150Ah tubular inverter battery running a moderate load of lights and fans can last between 4 to 6 hours. Heavy appliances or higher load will reduce this time.

What is the charge and discharge limit of my inverter?

Please refer to the manual for the charge and discharge limit of your inverter. When selecting the charge and discharge current limits you will always be limited to the lowest current value whether that is the inverter or the batteries. For example, the 3.6kW Ecco inverter has a 90A maximum charge/discharge current.

How do I set the charge/discharge current for the batteries?

You set the charge/discharge current for the batteries on the inverter in the battery setup page of the settings menu. The Sunsynk 5.12/5.32kWh batteries have a capacity of about 100Ah and a 50A continuous charge/discharge current so you can set the capacity charge and discharge using these values.

What is the maximum charge/discharge of a battery?

Two 5.12/5.32kWh batteries have a continuous discharge of 100A. This means that the maximum charge/discharge is limited to the 90A of the inverter. Other Current Limiting Factors Your current should also be suitable for the rated current of your battery cables.



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Depth of Discharge: How It Impacts Your Inverter Battery ...

Oct 28, 2024 · Discover why Depth of Discharge (DoD) is essential for inverter battery lifespan and performance. Maximize efficiency with expert tips from Sarex Batteries.

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Can an Inverter Be Too Big for Your Battery System?

How to Calculate the Right Inverter Size for Your Battery Match the inverter's continuous wattage rating to the battery's discharge capacity. For a 12V 200Ah battery (2.4kWh), a 2000W inverter ...

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Ultimate Guide to Battery in Inverter: Choose & Maintain Right

Jul 7, 2025 · Discover how to choose, maintain, and maximize your battery in inverter for reliable backup power. Expert tips on inverter batteries, lifespan, and safety included!

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Selecting Battery Charge/Discharge Rates

When selecting the charge and discharge current limits you will always be limited to the lowest current value whether that is the inverter or the batteries. For example, the 3.6kW Ecco ...

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Understanding the Capacity and Discharge Rates of LiFePO4 Batteries ...

Nov 30, 2025 · Batteries with lower internal resistance have higher discharge rates. - Age and Usage: As batteries age and experience repeated charge-discharge cycles, their discharge ...

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How to Reduce the Power Resistor for DC-Link ...

Aug 16, 2024 · The DC-Link capacitor is a part of every traction inverter and is positioned in parallel with the high-voltage battery and the power stage (see Figure 1). The DC-Link ...

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Optimizing battery lifespan via inverter charge-discharge ...

May 9, 2025 · Understanding Battery Health Before diving into the specifics of charge/discharge settings, it's essential to grasp the basics of battery health. Batteries, whether they're lead ...

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The Impact of 45A and 60A Batteries on Inverters Technical

May 20, 2025 · Why Battery Capacity Matters in Inverter Systems Ever wondered why your inverter system underperforms despite having "adequate" power storage? The answer often ...

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INR-21700-P45B

000INR21700-P45B MoliceL has been dedicated our product development in the path of ultra-high power cells with focus. The launch of a new generation 21700 power cell, INR-21700-P45B, ...

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Maximum discharge current (initial current)??

Apr 25, 2021 · Your max realistic discharge rate for your battery bank is well over the the batteries realistic rate of 92a. Your inverter can actually handle peak ac loads near 4000w.

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## Contact Us

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