

## Kongres Container

# Can a 72v inverter use 48v



## Overview

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When it comes to choosing between a 48V system and a 72V system, there are several factors to consider. Both systems are widely used in various applications, especially in renewable energy systems like solar power setups, off-grid systems, and electric vehicles (EVs). However, opting for a 48V.

Choosing a 48V system over a 72V system offers advantages in cost, maintenance, compatibility, and efficiency for many electric vehicle applications. While 72V systems provide higher power, 48V systems are often more economical and easier to service, especially when paired with reliable OEM lithium.

Both my bikes run on 48V. Is there any way to step down this voltage so it can be used?

My thoughts: 1. A resistor in series. but this wastes a good bit of the power into heat 2. A DC-DC converter. but I haven't been able to find such a thing. lots that step down to 24V. Or am I wasting my time?

Question: can I run a 72v battery to a 48v controller, or will I need a 72v converter. If I use a converter and it's theoretically drawing less power, will that result in higher Ah?

: r/ebikes Question: can I run a 72v battery to a 48v controller, or will I need a 72v converter. If I use a.

If system is small, getting 48v same range will be difficult One thing to check is if your batteries are rated to run in 48v series. You will have balance problems over time either way, from putting 12v in series. Otherwise 48v is great. manual says can run up to 4 in series or 4 in parallel (16.

Summary: Connecting a 72V inverter to a 48V battery is technically possible but requires critical voltage adjustments. This article explores compatibility challenges, practical solutions, and industry best practices for hybrid solar/energy storage systems. Solar installers and DIY enthusiasts often.

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