

## A-Core Container

# Inverter and AC power supply at the same time



## Overview

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Can a 24v battery system run with a DC to AC inverter?

I have a 24v battery system hooked with a 24v 3000-watt power inverter and 600 watts of solar panels. I need to know, definitively, that I can run my inverter simultaneously with my MPPT charge controller during the day without damaging either while powering appliances through my dc to ac inverter. Attached is a pic of my system.

Can I run a solar inverter and a battery at the same time?

In general, if the inverter is connected to the batteries you can run both at the same time. "So--The answer is that you cannot safely/reliably put your AC inverter on the "typical" solar charge controller's Load Terminals. You must connect the AC inverter (through circuit breaker/fuse/short and heavy wiring) directly to the battery bus." NAZ SOLAR.

Can I run two inverters at the same time?

In general, yes you can run both at the same time. In fact, after you are at or near full charge on the batteries it's free power from the controller so most of the extra amps can go to the inverter and do not drain the batteries. It's preferable to run heavy loads on your inverter while there is sunshine.

Can a solar inverter work with a utility?

The only way solar and utility can work together to power loads is the solar to AC inverter must parallel with the AC utility supply. Correct, My only point was that it doesn't have to be a grid-tied inverter to do this. Because mine does, and is not.

Can an inverter synchronize with an AC input?

The only way i see that being possible is if the inverter is in fact still inverting, frequency-matching and phase-syncing to the AC input (which we know it does all the time anyway), and then paralleling to the AC input.

Can I run a controller and an inverter at the same time?

It is not correct to connect these to an inverter. So it is possible to wire it incorrectly. In general, yes you can run both at the same time. In fact, after you are at or near full charge on the batteries it's free power from the controller so most of the extra amps can go to the inverter and do not drain the batteries.

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### Contact Us

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