

ContainerPower Energy Solutions

Inverter current power is negative



Overview

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Let's say I have 10 combiner boxes that are connected to an inverter, and while the inverter is running I see 3 combiner boxes recording negative current while the 7 of them are recording positive current, and there is no ground fault on the inverter. Also the negative current does fluctuate.

Is it actually correct that adding capacitance to an AC circuit is adding negative VARs and adding inductance to an AC circuit is adding positive VARs?

If so a 'VAR' (Volt Amps Reactive) could be more accurately be thought of as a 'IRVA' (Inductive Reactive Volt Amps)?

When thought of this way.

"inverter output voltage and current" readings on the Advanced page of VRM go negative output current (-0.2 for example), sometimes, while it is actively powering a load (tv, phone, computer). Remote Console shows 0VA but there's 17watts being used as shown by my Smart Plug. Surely it's impossible.

When multiple strings are connected to the same MPPT and the number of photovoltaic (PV) modules varies between strings, the resulting difference in open-circuit voltages causes the higher-voltage strings to backfeed into the lower-voltage ones. This can lead to negative current and negative power.

i bought a pure sine inverter for a 0,55kw submersive pump. i want to connect but it has two positive and two negative on dc connection. rated 1500 w and peak power 3000 w. input 12dc output 220vac and 50hz frequency. Welcome!
It looks like you're new here. Sign in or register to get started. Some.

My project requires my inverter to inject 100kW power towards the motor load (AC source in this circuit). However, I kept getting negative power from the measurement. Is there any ways I can change for my source to be lagging behind my input to push power towards the AC source instead?

Did you.

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