

# Can a 12V 3000 kW inverter be converted to 380





## Overview

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How to use a 3000 watt power inverter?

To use a 3000 watt power inverter, you will need to connect it to a power source, like a battery or a solar panel. After that plug your electrical devices into the inverter. These are a few help tips to explain the process. First, make sure that the inverter is rated to handle the wattage of your electrical devices.

Can a 3 phase inverter convert 12V to 400V?

While it's certainly possible to have a three phase inverter that converts 12V to three phases of 400V, consider the power that your pump needs:  $P = U \cdot I \approx 1 \text{ kW}$ . Do to the way this universe works, you need that 1 kW to come from somewhere, in this case your battery.

How much power does a 3 phase inverter pull?

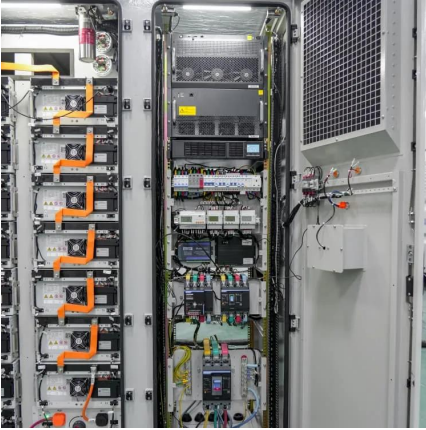
It will still not be cheap, but it might be cheapER. A motor at 2.4A per phase will pull about 2kW. Vevor sells VFD at 2.2kW, that takes 240VAC input for 3 phase out. One solution would be a bank of 12V batteries to feed a 12V inverter to 240VAC, then input to VFD.

How do you feed a 12V inverter to a 240V DC converter?

One solution would be a bank of 12V batteries to feed a 12V inverter to 240VAC, then input to VFD. Another solution would be DC converter to raise 12V to 240VDC to feed VFD if accepts DC in. 3rd solution is pile up 12V batteries in series to do the job of DC converter.



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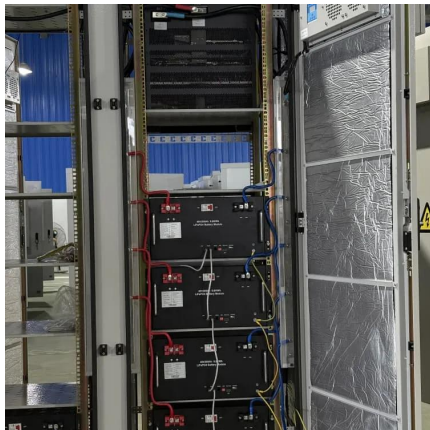
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