

# Make your own wide voltage inverter





## Overview

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Learn how to build an inverter in a most easy to understand and step by step method. An inverter can be taken as a crude form of UPS. Obviously the main use of an inverter is only for powering common el.

What is a power inverter circuit?

A power inverter circuit is a circuit that converts DC power to AC power. You can make the AC power be any level that you want and to any frequency that you want. The popular values to boost the AC voltage level to is either 110-120V or 220-140V because these are the AC voltages that are used worldwide.

How to build an inverter?

To clearly understand how to build an inverter, let's go through the following simple construction details: As per the circuit schematic first complete the assembly of the oscillator section consisting of the smaller parts and the IC. It is best done by interconnecting the component leads itself and soldering the joints.

How does a power inverter work?

A power inverter is a power electronic device that changes direct current (DC) to alternating current (AC). An inverter converts the DC voltage to an AC voltage. In most cases, the input DC voltage is usually lower while the output AC is equal to the grid supply voltage of either 120 volts, or 240 Volts depending on the country.

What are advanced power inverters?

Advanced power inverters feature cooling systems such as the use of a fan, temperature monitoring, LCD displays to show the power output, alarm systems such as if there is overheating, etc. Obviously these go beyond the scope of a basic beginner power inverter circuit and would be overkill for a beginner.



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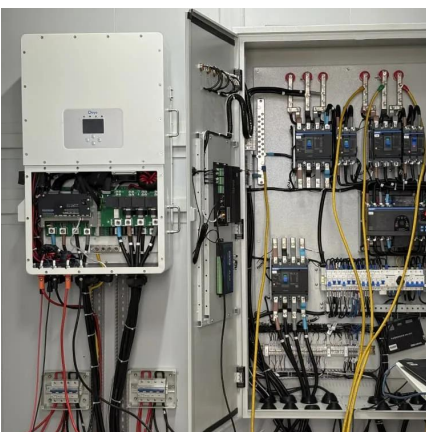
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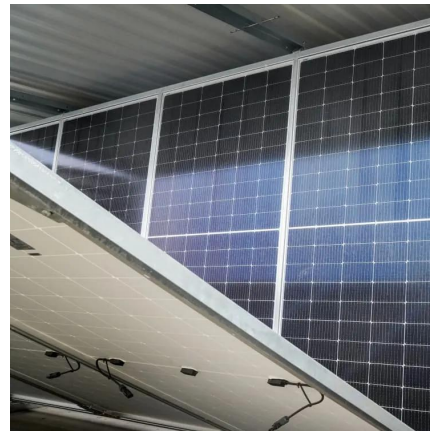


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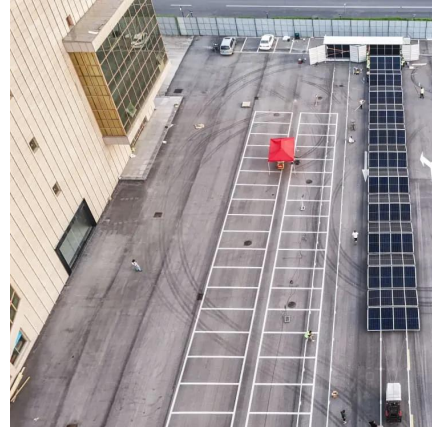
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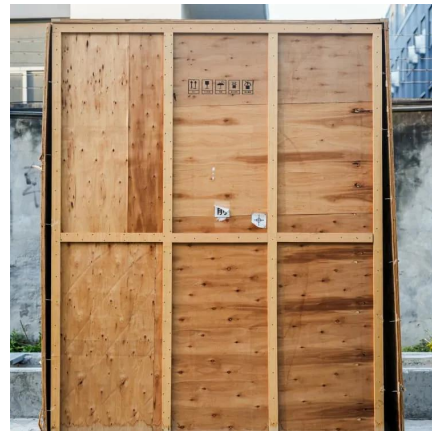


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