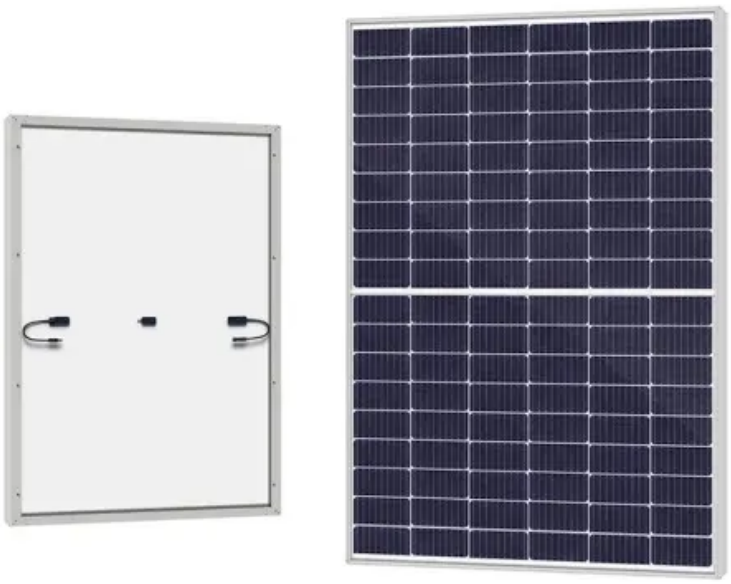
NKOSITHANDILEB SOLAR

High power inverter self-made



Overview

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.

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.

Why do we use inverters?

Therefore, devices that are powered by connecting to a wall outlet can now be powered directly by our inverter circuit. This is one of the chief reasons inverters are used. So if power were to go out for any reason, we could still power on a device that connects to AC power in the event of an emergency.

What are the applications of inverter circuits?

The major applications of inverter circuits include; UPS, an uninterruptible power supply, uses an inverter and batteries to supply AC power if the main power isn’t available or a power failure. For example, the UPS connected to a desktop computer to prevent a sudden shutdown in a power failure.

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