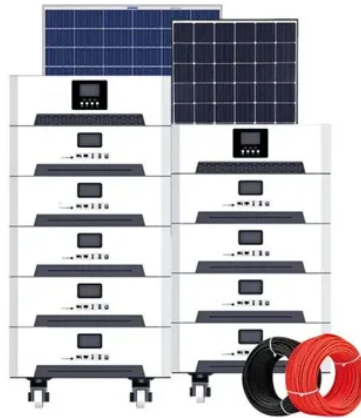


The inverter transmits DC power first and then AC power



Overview

When science teachers explain the basic idea of electricity to us as a flow of electrons, they're usually talking about directcurrent (DC). We learn that the electrons work a bit. We've just had a very basic overview of inverters—and now let's go over it again in a little bit more detail. Imagine you're a DC battery and someone taps you on the shoulder and asks you to produce AC instead. How would you do it?

If all the current you. Inverters can be very big and hefty—especially if they have built-in battery packs so they can work in a standalone way. One of Tesla's legacies (and that of his business partner George Westinghouse, boss of the Westinghouse Electrical Company) is that most of the appliances we have in our homes are specifically designed to run from AC power. Appliances that need DC but. If you simply switch a DC current on and off, or flip it back and forth so its direction keeps reversing, what you end up with is very abrupt changes.

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