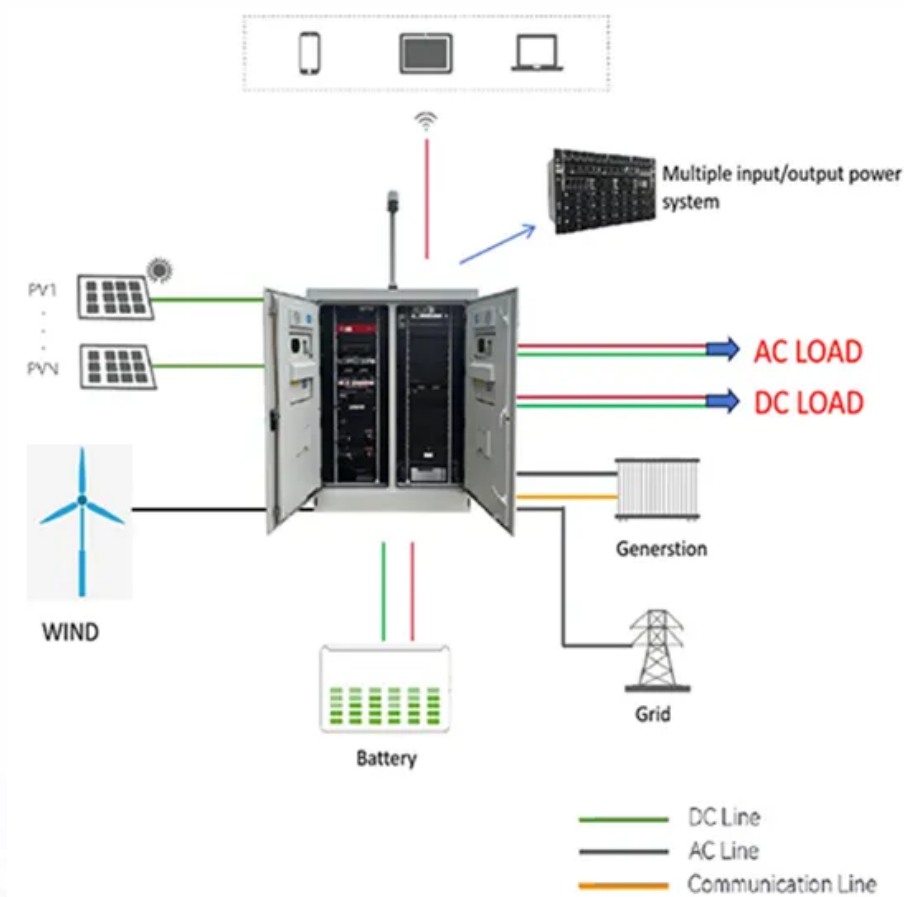


SolarTech Power Solutions

Single-phase solar inverter installation



Overview

How does a single phase inverter work?

The Single Phase Inverter with compact technology efficiently converts DC power from the modules into AC power that can be fed into the main AC service of the site and from there to the grid.

How to start a solar inverter?

Turn on the PV/DC switch and battery switch. A few seconds to exit Off Mode. (The mode is Off Mode when you use it for the first time; factory default: Off Mode) Inverter will start up automatically when the PV panels generate enough energy or the battery is discharging. Check the status of indicators and LCD screen.

How do you connect a 3 phase inverter?

Three phase 14.4kW and 33.3kW inverters - Use a 03/16" (5mm) straight flat-blade screwdriver to connect the wires to the appropriate spring-clamp terminals, according to the label on the terminal blocks. Refer to the figures above.

What is the maximum wire size for a single phase inverter?

The inverter is a single phase inverter; use a three-wire cable. The maximum wire size for the input terminal blocks is 16 mm². The minimum size of the protective earthing (PE) conductor: For copper wires: 10 mm² ; for aluminum wires: 16 mm². 1. Turn OFF the AC circuit breaker. **WARNING!**

Do I need to connect a neutral line to a single phase inverter?

When using single phase inverters, refer to Figure 2 and Figure 3 on page 10 to determine if the Auto option may be used. In any other option, you must connect the Neutral line. Connection to Neutral line is not required. For When connecting to the 480/277V grid, select the 277V setting.

How do you mount a solar inverter?

Determine which and how many holes to use according to mounting surface type and material. Make sure the mounting surface or structure can support the weight of the inverter (single phase: 44.7 / 20.2 lb/kg; three phase: 79.7 / 36.2 lb/kg) and bracket (2.8/1.3 lb/kg). Drill the holes and mount the bracket.

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Contact Us

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