

How to connect the energy storage signal plug

What should be connected to a high-power energy storage system?

To ensure that this product maximizes the benefits to users, it is recommended that the high-power equipment be connected as smart loads (third-party inverter, heat pumps, pool heaters, clothes dryers, immersion heaters, etc.), which can be cut off when the energy storage system has low power.

What is a commercial battery energy storage system?

Commercial battery energy storage systems (BESSs) are needed to facilitate the use and grid integration of renewable energy resources like wind power and solar energy. BESSs are complex and include a large battery, battery management system, battery control and communications, and an inverter/transformer.

How to insert the communications terminal of the power control module?

When you insert the communications terminal of the power control module, the silk screens on the two sides of the communications port are different. Insert the communications terminal according to the following figures. The communications terminals on the inverter side need to be connected to RS485+, RS485-, EN+, EN-, and PE.

Why is energy storage technology important?

Resilient and durable electrical connection technology is necessary to satisfy these requirements. Energy storage devices have long been used in commercial buildings and factories to provide an uninterrupted power supply. New technologies extend the range of possible applications in energy management.

Which COM port should be connected to the inverter?

The COM port definitions on both sides of the power control module are the same. It is recommended that the COM port on the switch side be connected to the inverter and the COM port on the other side be connected to the cascaded battery. Connects to the enable signal GND of the inverter. Connects to the positive enable signal of the inverter.

How to connect power grid/inverter/backup household load?

The method to connect the power grid/inverter/backup household load is the same. This section takes connecting the power grid as an example. To ensure that the inverters, loads, and the Gateway are connected to the common ground point, connect the PE cable.



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