

Voltage source inverter control method





Overview

What is a voltage source inverter?

Voltage source inverters (VSIs) are commonly used in uninterruptible power supplies (UPS) to generate a regulated AC voltage at the output. Control design of such inverter is challenging because of the unknown nature of load that can be connected to the output of the inverter.

What are voltage control techniques for inverters?

The Voltage Control Techniques for Inverters can be affected either external to the Inverter Control or within it. The Voltage Control Techniques for Inverters can be done in two ways. (a) The variation of dc link voltage can be achieved in many ways.

How do I set up a voltage source inverter?

To get started: Confirm that no power source is connected to the design. Confirm that the output filter is correct for the mode that the device will run in. For example, voltage source inverter uses an LC filter. The L2 and L2N slot must be jumper wired as shown in Figure 11.

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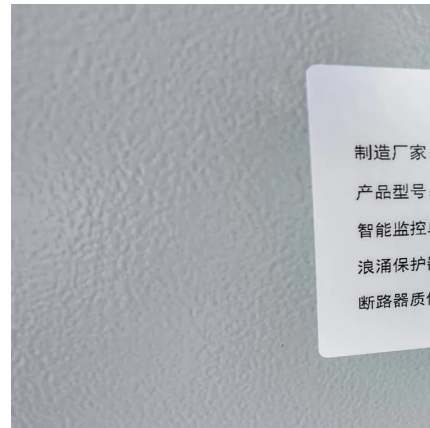


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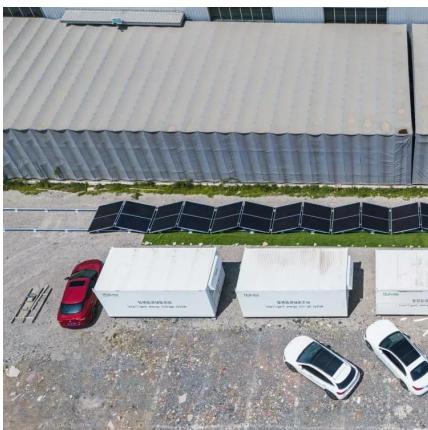
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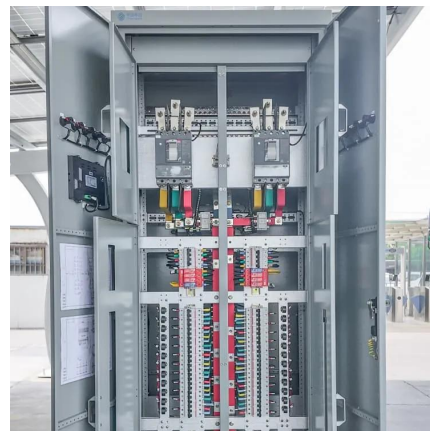
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