

## ContainerPower Energy Solutions

# Inverter 110kw installation



## Overview

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In this video, we will walk you through the detailed installation procedure for the Solis- (80-110)K-5G-PRO inverter. You will learn how to properly mount the inverter, connect it to your solar panels and electrical system, and set up the necessary configurations for optimal performance. How do I Commission the inverter?

Perform the commissioning steps as described in Commissioning the Installation on page 52. 1. Turn OFF the inverter ON/OFF switch, and wait until the LCD indicates that the DC voltage is safe (<50V), or wait five minutes before continuing to the next step. **WARNING! discharge. AVERTISSEMENT!.**

What are the safety instructions for an inverter?

5.1 Safety Instructions Prior to any electrical connections, keep in mind that the inverter has dual power supplies. It is mandatory for the qualified personnel to wear personal protective equipments (PPE) during the electrical work. Danger to life due to a high voltage inside the inverter!.

How do you connect a DC inverter?

Connect the DC, as follows: Connect the red wire to any of the DC+ terminals in the inverter. Connect the black wire to any of the DC- terminals in the inverter. 3. Connect the AC wires according to the labels on the AC terminal blocks, as follows: 4. Tighten the screws of each terminal with a torque of 0.88-1.1 lb.\*ft / 1.2-1.5 N\*m. 5.

What are the electrical safety requirements for solar inverters?

Electrical installations must be done in accordance with local and national electrical safety standards. To reduce the risk of fire, branch circuit over-current protective devices (OCPD) are required for circuits connected to the Inverter. The PV array (solar panels) supplies a DC voltage when exposed to light.

How to ground a DC inverter?

3. Equipment grounding: Connect the DC equipment ground conductor to the equipment grounding terminal block in the Safety Switch. Functional Electrical Earthing of DC-side negative or positive is prohibited because the inverter has no transformer. Equipment grounding of exposed conductive surfaces in the array is required per the NEC.

How do I configure a Master inverter?

3. Use the internal buttons to configure the connection. To set the inverter designated as master, select the following in the LCD menus: The system starts automatic detection of the slave inverters connected to the master inverter. The inverter should report the correct number of slaves. If it does not, verify the connections and terminations.

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