

**Kongres Container**

# **Southern Europe Off-grid Inverter Installation**



## Overview

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Are off-grid inverters sustainable?

In a world increasingly focused on energy independence, off-grid inverters have emerged as the cornerstone of sustainable power systems. Whether you're powering a remote cabin, a recreational vehicle, or a disaster-stricken community, proper installation is critical to ensuring reliability, safety, and efficiency.

Should you install an off-grid inverter?

Installing an off-grid inverter isn't just about connecting wires—it's about claiming energy independence. By prioritizing proper wiring, systematic debugging, and regular maintenance, you'll unlock the full potential of your renewable energy setup. Remember: Always verify connections against UL/CE-certified diagrams.

How do I use an off grid inverter?

1. Connect the off grid inverter to the battery (Polarity '+' to '+', '-' to '-').
2. Connect the AC load to the output port of the inverter (If you have many appliances, please just plug the AC socket to the inverter).
3. Turn on the inverter when the battery is full charged, then the system starts working.

How do I connect the AC grid to the inverter?

Connecting the AC Grid to the Inverter Use a five-wire cable for this connection. The maximum wire size for the input terminal blocks is 16mm<sup>2</sup>. To connect the AC grid to the inverter via the DC Safety Unit:

1. Turn OFF the following:
  - !The inverter ON/OFF switch
  - !The AC circuit breaker
  - !The DC Safety Switch Unit
- 2.

How do I install a new inverter?

Remove the screws securing the inverter to the mounting bracket and remove the inverter from the mounting bracket. NOTE If you remove the old inverter

and do not immediately install a new one, use insulation tape to isolate each of the AC and DC wires 6.

How do I open the inverter cover?

**WARNING!** The inverter cover must be opened only after shutting off the inverter ON/OFF switch located at the bottom of the inverter. This disables the DC voltage inside the inverter. Wait five minutes before opening the cover. Otherwise, there is a risk of electric shock from energy stored in the capacitors.

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### Contact Us

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