

# ALPHA ESS TECHNICAL NOTICE

Date	06/04/2023
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Relevant to Models	All Models with Backup

## INVERTER REPLACEMENTS - DOUBLE-CHECK THE BACKUP WIRING

When replacing a faulty inverter, one commonly missed check is that the Backup Circuit is not connected to the Grid.

When an inverter fails, it is common for power to be cut to the backup circuit. It is also common for a customer to be..... vocally unhappy about this. To solve this issue, electricians will normally connect the backup circuits back to the Grid.

When the inverter is replaced, Installers need to ensure that they isolate that backup circuit again, otherwise the backup circuit will back-feed to the grid in a power outage.

## HOW TO CHECK THIS QUICKLY AND EASILY

1. Ensure that the Backup plug is disconnected from the Alpha Inverter.
2. Using a Multimeter, test the voltage of the plug (not the inverter side, the plug that is connected to the backup circuit). There should be Zero volts.
3. If you detect voltage on the backup circuits and the plug is not connected to the inverter, the voltage must be coming from a connection to the Grid Supply – find it and disconnect it.

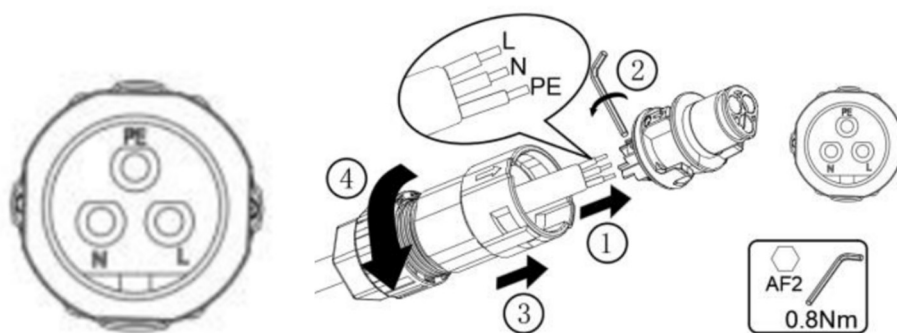


Figure 1 – Test voltage between A and N on this plug.