

## ContainerPower Energy Solutions

# Check and debug the communication base station inverter



## Overview

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Learn how to diagnose and resolve communication errors between an inverter and an external PLC, covering physical, communication settings, network, protocol, firmware, diagnostics, environmental, and device-specific checks. How do I set up a BMS with my inverter?

Establishing BMS Communications For the BMS to communicate correctly with the inverter the battery must be set to the correct Modbus protocol. This can be done on the battery settings page. The inverter manuals have a list of compatible batteries detailing their Modbus protocol and whether they use CAN or RS485 communications.

How do I know if my inverter is compatible with RS485?

The inverter manuals have a list of compatible batteries detailing their Modbus protocol and whether they use CAN or RS485 communications. The BMS communications cable must also have the correct PinOUT at both the inverter and battery end of the cable for the BMS communications to be enabled.

What happens if BMS and inverter are not communicating?

If the BMS and the inverter are not communicating a number of problems may arise. This can lead to the batteries not obeying the battery settings on the inverter and can cause the batteries to become unbalanced or over discharged.

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