

Article Overview

Battery communication failures often occur due to incorrect commissioning sequence, DIP switch settings, or improper battery type selection in the inverter.

Common Causes

- o **Incorrect Battery Type Selection** Many users encounter communication errors when the inverter is set to the wrong battery model. For example, with Dyness Tower systems, selecting Tower Pro instead of Tower is often required for proper recognition by GoodWe inverters .
- o **Commissioning Sequence Issues** The order in which devices are powered on is critical. Typically, the battery should be powered on before the inverter. If the communication cable is connected too early or too late, the inverter may fail to detect the battery . A recommended approach is:
 - o Power on the battery first.
 - o Start the inverter.
 - o Connect the communication cable during the inverter's search for the battery if it is not immediately recognized .
- o **DIP Switch Configuration** Some batteries, like the Dyness Tower Pro TP19, require specific DIP switch settings on the battery PCB to communicate correctly with the inverter. For example, a common configuration is switches 1-3 OFF, 4-5 ON, 1 OFF, 2 ON . Incorrect DIP switch positions can prevent communication entirely.
- o **Firmware and App Issues** Outdated firmware on either the inverter or battery can cause communication errors. Ensure both devices are running the latest firmware. If remote updates fail, a manual firmware update using the manufacturer's tools may be necessary . Additionally, some apps may display incorrect readings (e.g., extreme voltage or temperature) if the connection is unstable .
- o **Hardware and Cable Problems** Faulty communication cables (CAN/RS485) or damaged connectors can trigger communication failures. Testing with a different cable or temporarily using a single battery as master can help isolate the issue .

Troubleshooting Steps

- o Verify the battery type selection in the inverter matches the actual battery model.
- o Check the commissioning sequence: battery on first, inverter on second, connect communication cable if needed.
- o Inspect and adjust DIP switch settings according to the manufacturer's instructions.
- o Ensure firmware is up to date on both inverter and battery.
- o Test the communication cable and connectors for continuity or damage.
- o If the problem persists, try isolating the battery or using a single battery to determine if the issue is with the battery or inverter.
- o Contact the manufacturer's support if all steps fail, as some issues may require professional intervention .



Tower battery communication failure

Following these steps usually resolves the "battery communication failure" and restores stable operation between the inverter and the battery system.

Correctly following this procedure is crucial to prevent communication errors and to ensure the integrity of the BMS

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

I have a FlexBoss + GridBoss + 3 x EG4 Wallmount Indoor 280AH Lithium Batteries. No solar yet so this is just

C:21268608,21268610,21268803;M:FusionPower9000 What Should I Do If the Lithium Battery Cabinet and ECC800-Pro

Let's face it--when your Solar Edge battery not communicating, it's like having a teenager who suddenly stops

Just had a second all-in-one installed and it was finished very late on Friday night. The installer had a 2.4hr drive back

There are a number of reasons why the Honeywell ProA7PLUS or ProA7 panels may experience broadband communication failure.

Conclusion RS485 and CAN are essential but prone to failure without proper implementation. Reliable battery

Hi There All On Sunday Morning during loadshedding my inverter switched off even though I still had about 35%

Hi, I am a newbie looking for ideas and to understand what I might have done wrong with my system since it ran into

The inverter is displaying a "CAN_COMM_Fail" or "Battery_COM_Fail" error, meaning it's not detecting communication between the

Explore practical tips on How To Solve Inverter battery communication, ensuring smooth and efficient solar system

For household low-voltage energy storage systems where new and old lithium batteries are mixed, the internal

I have a Goodwe 5048 ES (Firmware version on the inverter is 122214/2222E) and 6.6 kW of PV and a



Tower battery communication failure

home-built

To ensure uninterrupted communication services, it's crucial to have a reliable and efficient backup power system in

?? Welcome to #Dyness Tech Lab Episode 2 - Low-voltage battery communication failure:

Web: <https://www.supremeacademicresearch.co.za>

