

## Client Advisory on Existing Battle Born Batteries

Independent testing, owner reports, and ongoing discussions in the industry have identified a design characteristic in certain Battle Born (particularly 100 Ah) LiFePO<sub>4</sub> batteries involving the positive terminal connection. Under normal use, vibration, and thermal cycling common in RVs, this can lead to increased resistance, localized overheating, intermittent operation, or progressive internal damage in some units. The manufacturer maintains that the design includes a passive thermal-interrupt feature intended as a safety measure and states that field data show a low rate of such events without widespread fires. No broad official recall is currently in effect.

Practical considerations for continued use:

Overheating or intermittent connection at the battery can stress or damage connected components (inverters, charge controllers, wiring, fuses, and monitoring equipment).

System performance and reliability of any upgrades or repairs I perform may be reduced or unpredictable while these batteries remain in service.

Sudden capacity loss or shutdown can affect house power, charging systems, and overall electrical stability.

In very rare and extreme use circumstances replicated by independent testing, these batteries have started on fire due to this design flaw.

My recommendation:

For long-term reliability and to protect the rest of the electrical system, I recommend replacing the Battle Born batteries with a LiFePO<sub>4</sub> alternative that uses a more conventional terminal and busbar design. If you choose to keep them in service, periodically check terminal temperatures under load, watch for discoloration, melting, unusual odors, or intermittent behavior, and address any issues promptly with the manufacturer or a qualified technician.

This advisory is for your information only. Final decisions about your batteries rest with you. I am happy to discuss replacement options or further evaluation of your system.