



SPECIAL UPDATE PROCEDURE FOR SYSTEMS REQUIRING COMPLETE ESS RAPID SHUTDOWN ON EFORCE BATTERIES.

1. SCOPE

This firmware update is required for jurisdictions mandating complete rapid shutdown - that is disengaging battery voltage, PV power, and inverter voltage output. Additionally, this firmware will allow parallel to 32 units. This procedure documents how to apply that update safely.

2. APPLICABILITY

- **Battery firmware version:** 6018
- **LED (eWay) version:** v11
- **Required tool:** CAN tool (**do NOT use the Guardian**)

3. BEFORE STARTING THE UPDATE

Before performing the firmware update, disconnect all the following. They must remain disconnected for the duration of the update:

- **All communication cables between battery modules** (battery-to-battery comms cables).
- **The power relay cable.**

4. FIRMWARE UPDATE SEQUENCE

Order matters. The LED on the eWay must be updated before any battery module beneath it.

1. **Update the LED on the eWay first** to LED version v11.
2. **Then update each battery module** under that same eWay to firmware 6018.
3. Perform the update using the CAN tool only. The Guardian must not be used for this procedure.

5. IMPORTANT NOTES

- Do not reconnect the battery-to-battery communication cables or the power relay cable until the eWay LED and all battery modules under that eWay have been successfully updated.
- Updating battery modules before the eWay LED is on v11 is not supported and may result in a failed or incomplete update.
- Using the Guardian for this firmware update is not permitted; the procedure must be performed with a CAN tool.
- After the update, the battery will support complete rapid shutdown - disengaging battery voltage, PV power, and inverter voltage output.