

EG4[®] INVERTER OTA UPDATE GUIDE

EG4 WALLMOUNT 314Ah INDOOR BATTERY

OVERVIEW

This Over-The-Air (OTA) update guide will walk the user through updating battery firmware with the EG4 Monitor Center portal. Before proceeding with the OTA update, disconnect all dry contact connections from the battery.



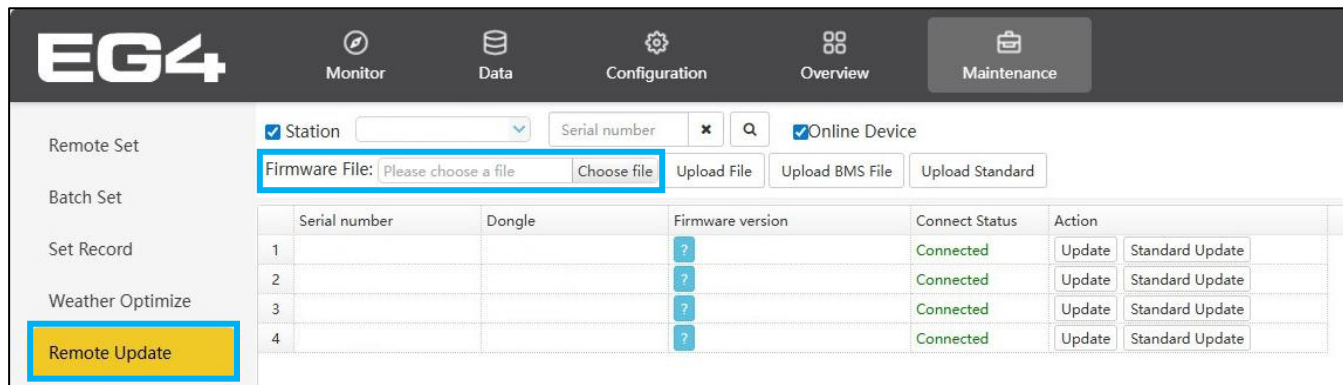
WARNING:

Failure to disconnect the dry contacts before updating can cause any accessory attached to rapidly change state and may cause damage to the equipment.

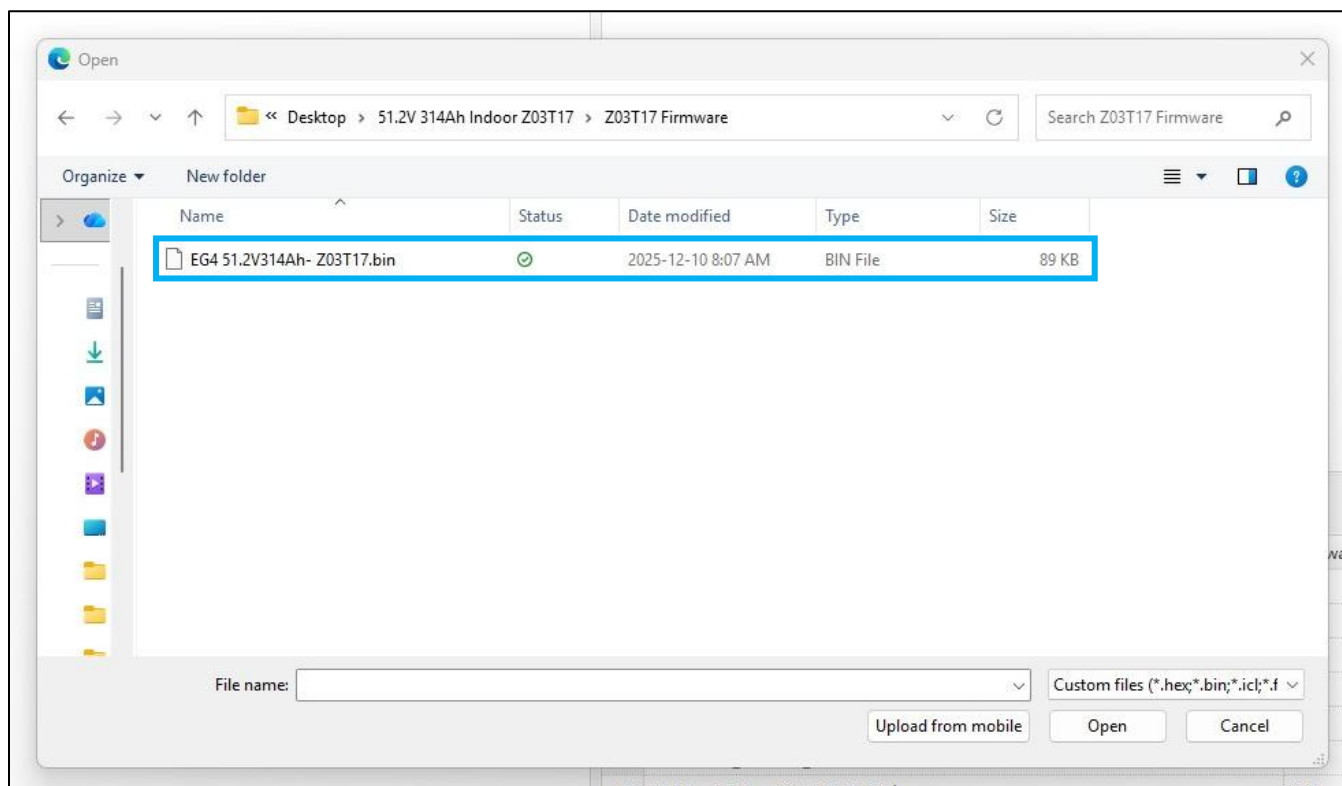
1. Log into the Monitor Center website at <https://monitor.eg4electronics.com> and confirm the station and battery being updated.
2. Navigate to the “**Maintenance**” tab and select “**Read**”. To complete the remote update, select the “**Remote Set**” page and verify that the “**Lithium Brand**” is set to “**Lithium-1**”.

The screenshot displays the EG4 Monitor Center web interface. The top navigation bar includes the EG4 logo and tabs for Monitor, Data, Configuration, Overview, and Maintenance. The Maintenance tab is selected and highlighted with a blue box. Below the navigation bar, the 'Remote Set' page is active, with a yellow box highlighting the 'Remote Set' tab in the left sidebar. A 'Read' button is also highlighted with a yellow box. The main content area shows 'Common Setting' options: Time (2025-12-10 16:28:42), PV Input Mode (0: NO PV), and Start PV Volt(V) (200). Below these, the 'Model' section is expanded, showing 'Measurement' (1: CT) and 'CT Direction Reversed' (Enable/Disable). The 'Battery Type' is set to '2: Lithium' and the 'Lithium Brand' is set to '1', both of which are highlighted with blue boxes. A 'Set Model' button is located at the bottom right of the Model section.

3. Select **“Remote Update”** and confirm station. In the **“Firmware File”** area, select **“Choose File”**.



4. After selecting **“Choose File”**, navigate to the downloaded **“EG4 51.2V314Ah- Z03T17.bin”** file and select it.



- After choosing the file, select “Upload BMS File”. This will upload the file to the portal before it is downloaded to the BMS. Verify the correct file has been uploaded as failure to do so could result in a “bricked” BMS. If an incorrect file is uploaded, a manual RS485 update using a Windows computer will have to be done to unbrick the BMS.

The screenshot shows the EG4 Maintenance portal. The top navigation bar includes Monitor, Data, Configuration, Overview, and Maintenance. The left sidebar has options like Remote Set, Batch Set, Set Record, Weather Optimize, and Remote Update. The main content area shows a 'Station' dropdown, a 'Serial number' search box, and a 'Choose file' button. The 'Upload BMS File' button is highlighted in blue. Below this, there is a table with columns: Serial number, Dongle, Firmware version, Connect Status, and Action. The table contains four rows, all with 'Connected' status and 'Update' action buttons.

- Find and select the master inverter that will perform the update. Click “Update” under the “Action” column. A progress bar will be displayed in the highlighted blank area shown below. This is the status of the file being downloaded to the inverter, **NOT** the battery being updated.

The screenshot shows the EG4 Maintenance portal with the 'Update' button highlighted in blue. A progress bar area is visible on the right side of the screen. The table below shows the status of the file being downloaded to the inverter.

Serial number	Dongle	Firmware version	Connect Status	Action
1		?	Connected	Update
2		?	Connected	Update
3		?	Connected	Update
4		?	Connected	Update

The progress bar area is highlighted in blue. Below the table, there is a list of firmware files with columns: Firmware File, Firmware Type, and Upload Time.

Firmware File	Firmware Type	Upload Time
1 CCAA-sx08_vf_251010_eg4.hex	PCS	2025-12-02 07:46:57
2 CCAA-sx08_vf_251010_3.hex	PCS	2025-11-18 02:14:23
3 ccaa-sx12v_comm_250806.hex	PCS	2025-11-18 02:14:03
4 CCAA-1Cxxx_mprpt_250805.hex	PCS	2025-11-18 02:11:51
5 IAAB-16v_20250925_APP_greENC.hex	PCS	2025-09-29 13:59:37
6 IAAB-sx25_Para075_20250925.hex	PCS	2025-09-29 13:59:24
7 IAAB-sx25_Para075_20250925.hex	PCS	2025-09-29 13:59:18
8 IAAB-25v_20250925_App.hex	PCS	2025-09-29 13:59:13
9 EXT4-2501_512APP-25(Flash)-Boot01_20250925.hex	EXT4	2025-09-29 13:58:45
10 IAAB-sx22_Para075_20250428.hex	PCS	2025-06-24 03:04:37
11 CCAA-sx07_vf_250325.hex	PCS	2025-06-24 03:01:20
12 ccaa-05v_comm_vf_250325.hex	PCS	2025-06-24 03:01:10
13 IAAB-sx22_Para075_20250428.hex	PCS	2025-06-24 02:46:47
14 IAAB-21v_20250429_APP.hex	PCS	2025-06-24 02:46:33
15 CCAA-sx08_vf_250323.hex	PCS	2025-04-09 14:09:51
16 ccaa-sx10v_250322.hex	PCS	2025-04-09 14:09:45
17 IAAB-20v_20250402_VOC_App0950-6010Hz.hex	PCS	2025-04-03 02:59:43
18 IAAB-13v_MIDBOX_M3_20250306_App.hex	PCS	2025-03-12 14:33:14

- After the file has been successfully downloaded to the master inverter, the update status will show "Success". The inverter will then begin to transfer the firmware to the battery. At this point, **DO NOT** cancel or power off the inverter or battery.

The screenshot displays the EG4 Maintenance interface. The 'Remote Update' section is active, showing a table of devices with columns: Serial number, Dongle, Firmware version, Connect Status, and Action. A table on the right shows the 'Auto Reload' status for a specific device, with columns: Serial number, Mode, Firmware, Start Time, Update Status, Rate of Progress, Stop Time, and Action. The 'Update Status' column shows 'Updating' with a progress bar at 0% of 1/121. Below this, a list of firmware files is shown with columns: Firmware File, Firmware Type, Upload Time, and Remarks.

- After the inverter has completed the battery firmware update, the battery will restart, and the dry contact relay will flutter upon restart. This is a normal occurrence.



NOTE:

When using WallMount 314Ah Indoor batteries in closed-loop communication with an EG4 inverter, the system can update up to 64 batteries simultaneously.

EG4

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