

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.



NOTE:

EG4 inverter OTA updates are available only to EG4 Monitor Center portal Installer accounts. Contact EG4 Technical Support for assistance with updating the WallMount 314Ah Indoor battery.



IMPORTANT:

OTA firmware updates are supported only for EG4 hybrid inverters, including the 18kPV, 12kPV, FlexBOSS21, and FlexBOSS18. OTA updates are not supported and should not be performed on the 12000XP or 6000XP off-grid inverters.



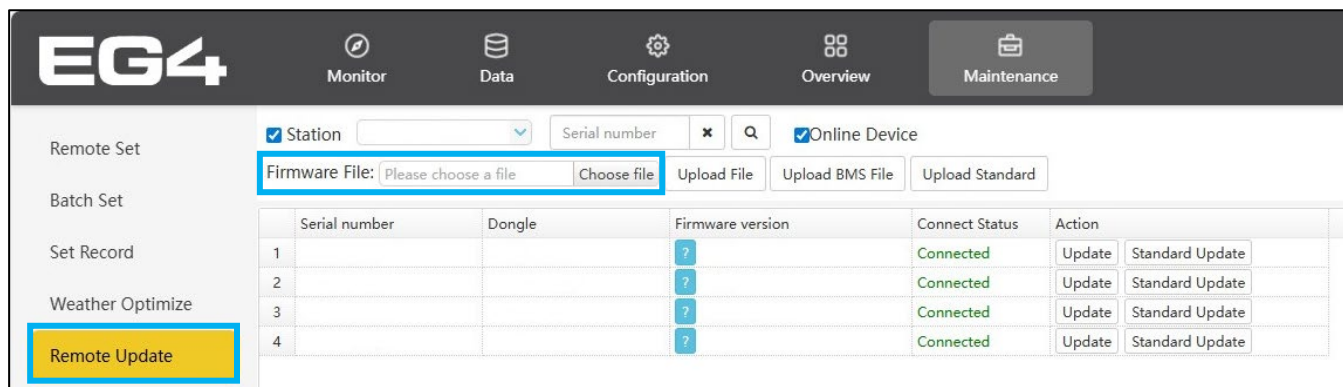
WARNING:

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

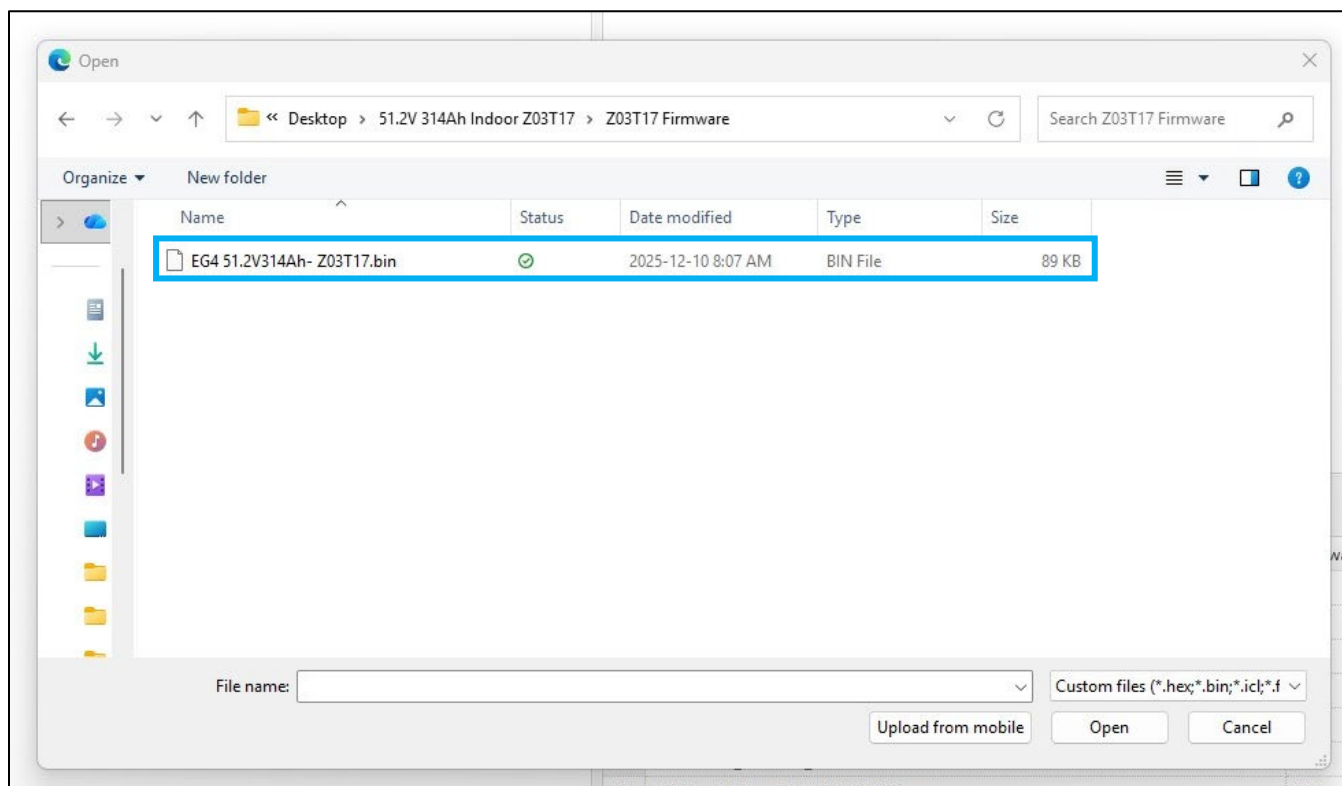
1. Log into the Monitor Center website at <https://monitor.eg4electronics.com> and confirm the station and battery being updated.
2. Navigate to the “**Maintenance**” tab and select “**Read**”. To complete the remote update, select the “**Remote Set**” page and verify that the “**Lithium Brand**” is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

The screenshot displays the EG4 Monitor Center web interface. The top navigation bar includes 'Monitor', 'Data', 'Configuration', 'Overview', and 'Maintenance' (highlighted with a blue box). On the left sidebar, 'Remote Set' is selected. The main content area shows a 'Common Setting' section with various configuration options. A 'Read' button is highlighted with a yellow box. The 'Battery Type' dropdown is set to '2: Lithium' and the 'Lithium Brand' dropdown is set to '1', both highlighted with blue boxes. Other visible settings include 'Time' (2025-12-10 16:28:42), 'PV Input Mode' (0: NO PV), 'Start PV Volt(V)' (200), 'Measurement' (1: CT), and 'CT Direction Reversed' (Enable/Disable buttons).

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 Maintenance section is active. On the left sidebar, there are options for Remote Set, Batch Set, Set Record, Weather Optimize, and Remote Update. The main content area shows a table with columns: Serial number, Dongle, Firmware version, Connect Status, and Action. The 'Upload BMS File' button is highlighted in the top navigation bar. Below the table, there is a 'Remote Update' button.

- 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. The top navigation bar includes Monitor, Data, Configuration, Overview, and Maintenance. The Maintenance section is active. On the left sidebar, there are options for Remote Set, Batch Set, Set Record, Weather Optimize, Remote Update, Firmware Beta Test, LCD Update, Update Record, UL Compliance, and Support. The main content area shows a table with columns: Serial number, Dongle, Firmware version, Connect Status, and Action. The 'Update' button is highlighted in the 'Action' column. Below the table, there is a 'Remote Update' button. On the right side, there is a section for 'Auto Reload' with a table showing Serial number, Mode, Firmware, Start Time, Update Status, and Rate of Progress. Below this, there is a table with columns: Firmware File, Firmware Type, and Upload Time.

- 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. The 'Auto Reload' table on the right indicates that the update is in progress. The bottom table lists various firmware files and their upload times.

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

Serial number	Mode	Firmware	Start Time	Update Status	Rate of Progress	Stop Time	Action
1	Normal	EG4 314-AUTOADDR.Z	2025-12-10 16:52:05	Updating	0% / 121		Cancel

Firmware File	Firmware Type	Upload Time	Remarks
1 CEA-xx08_v6_251000_egl.hex	PCS	2025-12-02 07:46:57	
2 CEA-xx08_v6_251010_3.hex	PCS	2025-11-18 02:14:23	
3 cca-xx12v_comm_250806.hex	PCS	2025-11-18 02:14:03	
4 CEA-1Cxxv_mrgpt_250805.hex	PCS	2025-11-18 02:11:51	
5 IAB-15xx_20250925_APP_gm6C1.hex	PCS	2025-09-29 13:59:37	
6 IAB-xx25_Para375_20250925.hex	PCS	2025-09-29 13:59:24	
7 IAB-xx25_Para375_20250925.hex	PCS	2025-09-29 13:59:18	
8 IAB-25xx_20250925_APP.hex	PCS	2025-09-29 13:59:13	
9 EXT4-2501_512APP_25Pxxh1s-Boot001_20250925.hex	EXT4	2025-09-29 13:58:45	
10 IAB-xx22_Para375_20250428.hex	PCS	2025-06-24 03:04:37	
11 CEA-xx07_dmg_v6_251023.hex	PCS	2025-06-24 03:01:20	
12 cca-05xx_comm_v6_251023.hex	PCS	2025-06-24 03:01:10	
13 IAB-xx22_Para375_20250428.hex	PCS	2025-06-24 02:46:47	
14 IAB-21xx_20250429_APP.hex	PCS	2025-06-24 02:46:33	
15 CEA-xx08_v6_251023.hex	PCS	2025-04-09 14:09:51	
16 cca-xx11xx_250322.hex	PCS	2025-04-09 14:09:45	
17 IAB-20xx_20250402_VOC_APP3950-6010(Hz).hex	PCS	2025-04-03 02:59:43	
18 IAB-13xx_MIDBOX_M3_20250306_APP.hex	PCS	2025-03-12 14:33:14	

- 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.

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