

# EG4® 18kPV HYBRID INVERTER REMOTE BATTERY UPDATE GUIDE



By following this guide, the user will be able to apply an update to the 18kPV hybrid inverter and WallMount batteries which allows the user to perform remote battery updates through the inverter. Please read the guide thoroughly before performing the update.



**NOTE: *DO NOT*** power any loads during the update, as this will cause an interruption in the update and the system will shut off and need to be restarted.

## 1. Begin by logging in to the EG4 Monitor Center.

monitor.eg4electronics.com/WManage/web/login

### Eg4 Monitor Center

Please enter username

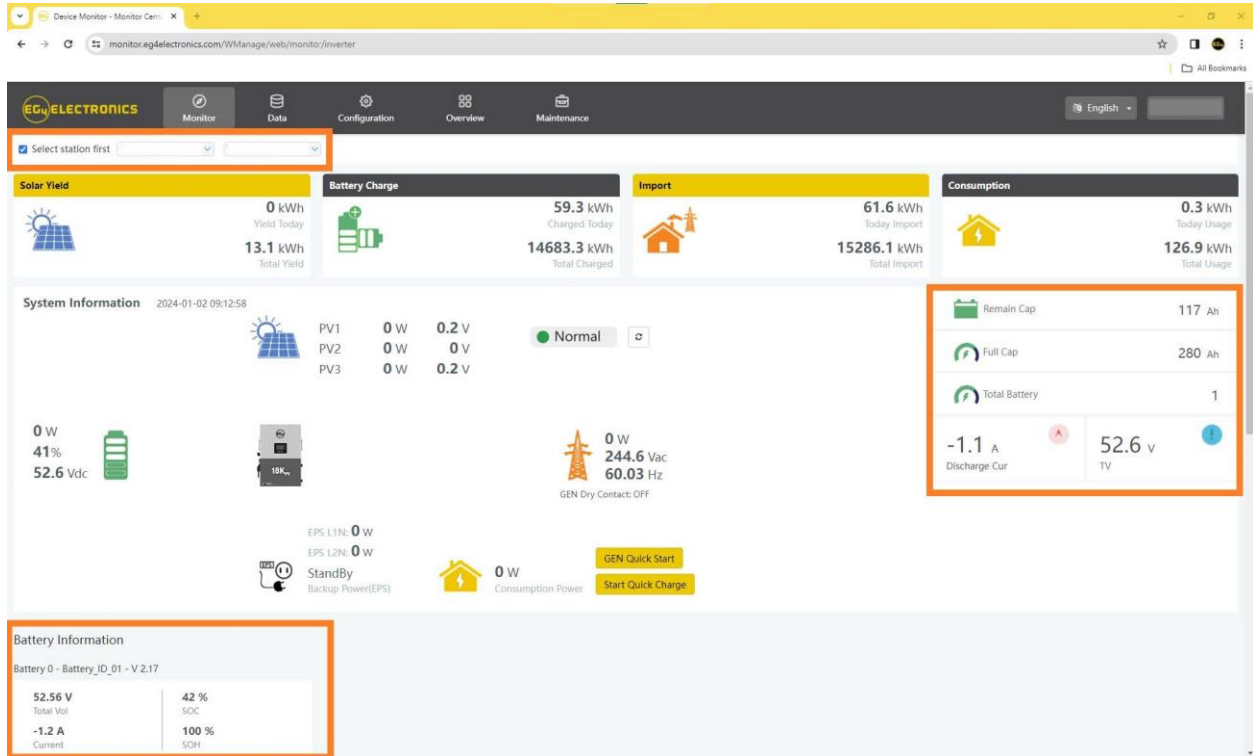
Please enter password

[Forget password?](#)

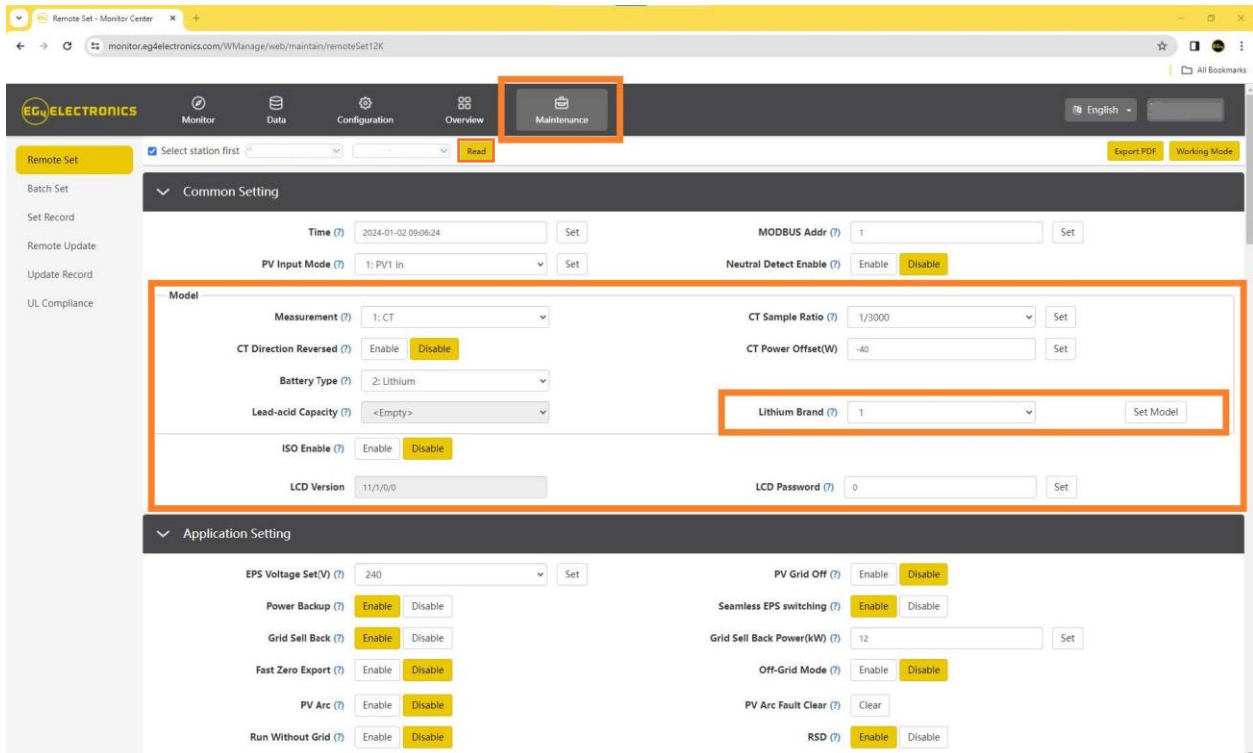
[Sign in](#) [Register](#)

[Visit demo station](#)

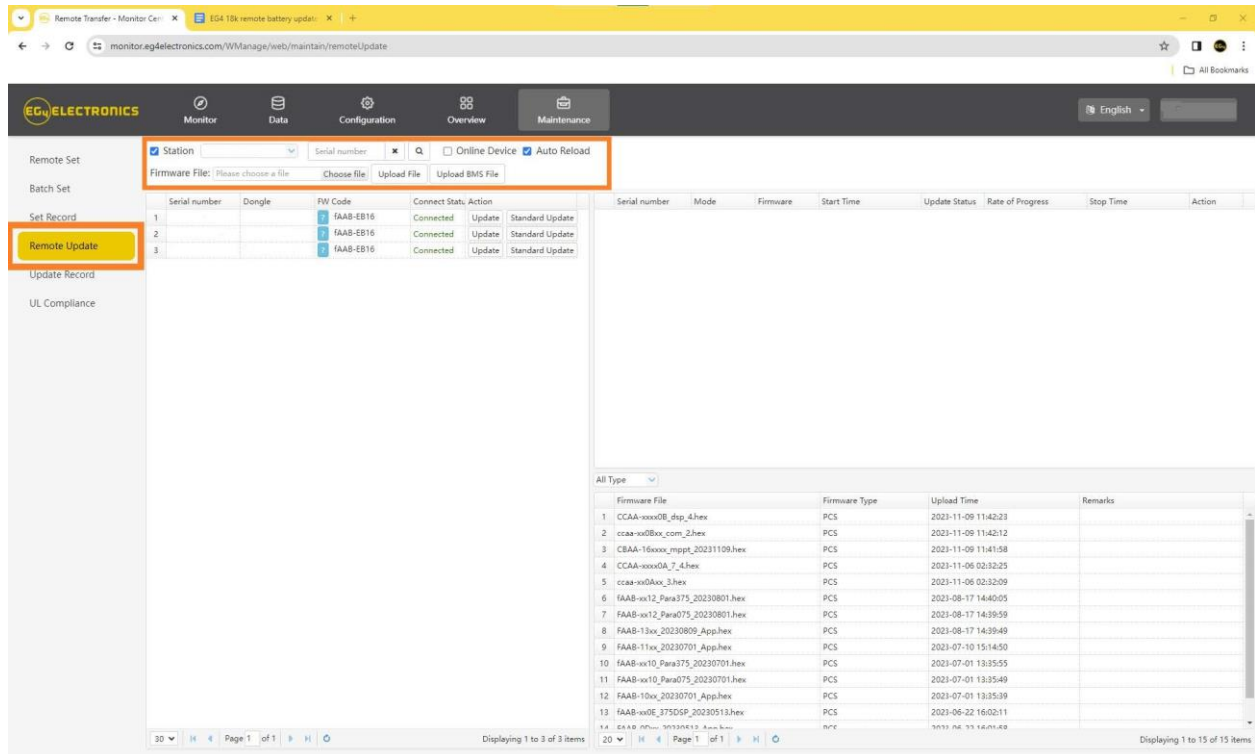
- After logging in, begin by confirming that the EG4 WallMount 280Ah or EG4 LL-S/V2 100Ah battery you are attempting to update is able to be viewed by the online portal. Confirm that you are on the correct inverter station before proceeding.



- Next navigate to the “Maintenance” tab, then click “Read”. To do a remote update, the “Lithium Brand” has to be set to “Lithium-1”.



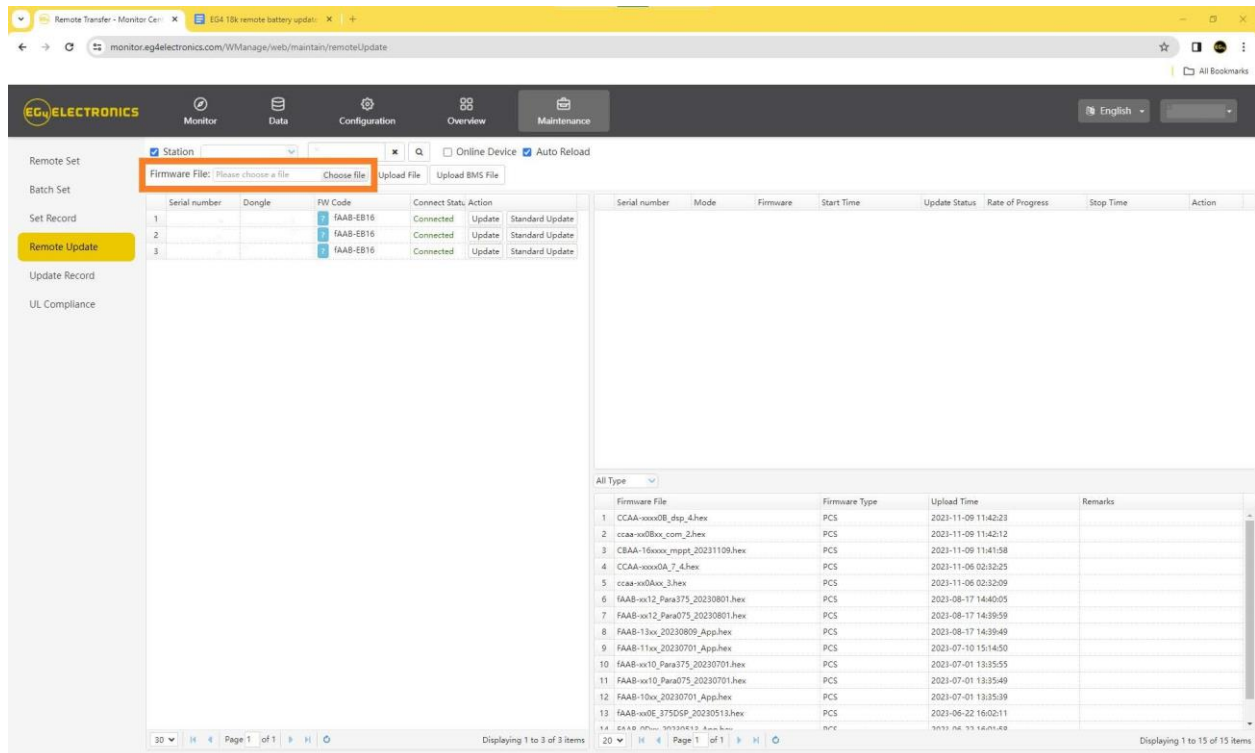
## 4. Navigate to the “Remote Update” section under “Maintenance”, and confirm the Station name.



The screenshot shows the EG4 Electronics web interface. The left sidebar has a 'Remote Update' button highlighted. The main area has a 'Station' dropdown menu and a 'Firmware File' dropdown menu. The 'Firmware File' dropdown is set to 'Choose file'. The 'Online Device' checkbox is checked. The 'Auto Reload' checkbox is checked. The table shows three rows of data for devices FAAB-EB16.

Serial number	Dongle	FW Code	Connect Status	Action	Standard Update
1		FAAB-EB16	Connected	Update	Standard Update
2		FAAB-EB16	Connected	Update	Standard Update
3		FAAB-EB16	Connected	Update	Standard Update

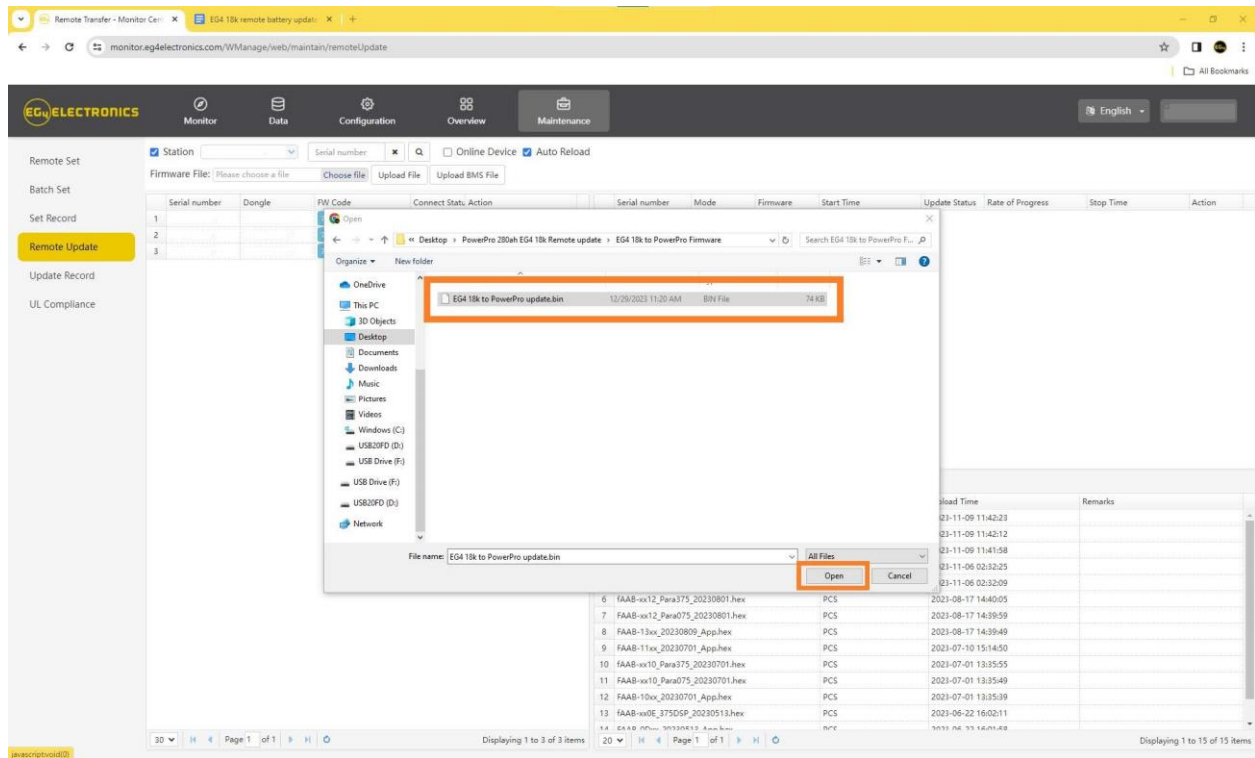
## 5. Select “Choose File” next to “Firmware File:” as shown below.



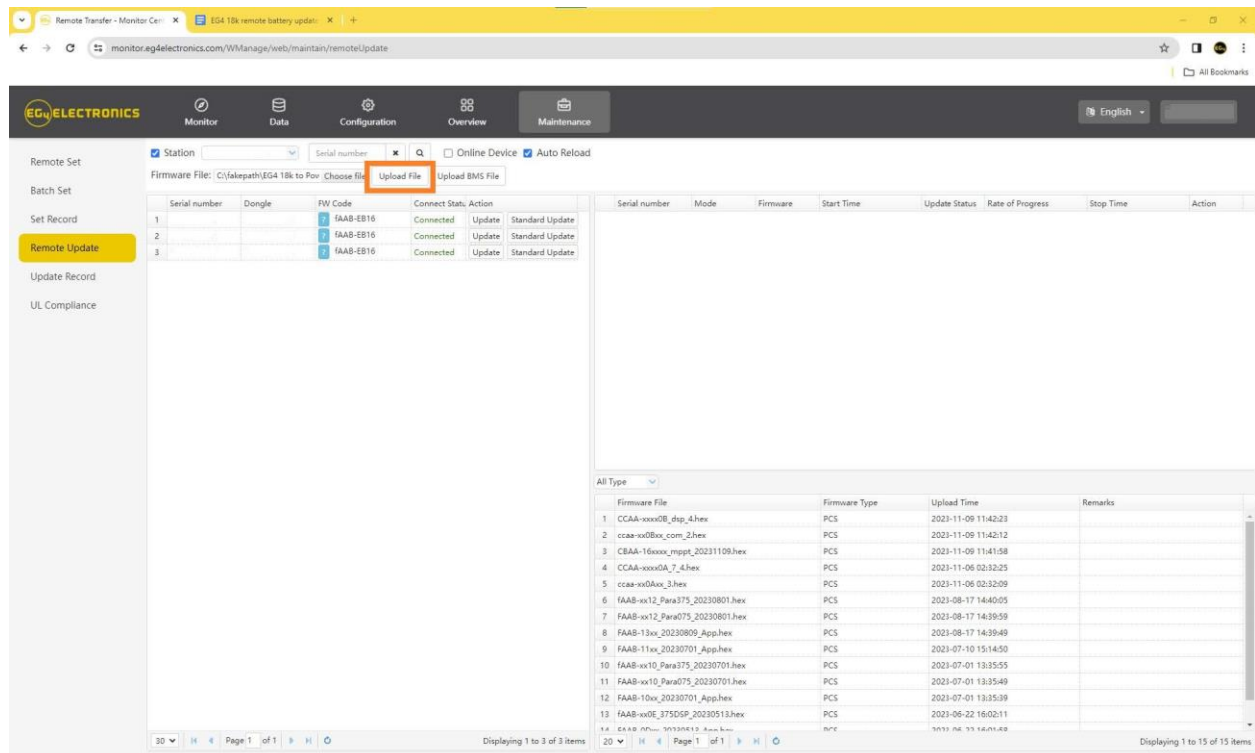
The screenshot shows the EG4 Electronics web interface. The left sidebar has a 'Remote Update' button highlighted. The main area has a 'Station' dropdown menu and a 'Firmware File' dropdown menu. The 'Firmware File' dropdown is set to 'Choose file'. The 'Online Device' checkbox is checked. The 'Auto Reload' checkbox is checked. The table shows three rows of data for devices FAAB-EB16.

Serial number	Dongle	FW Code	Connect Status	Action	Standard Update
1		FAAB-EB16	Connected	Update	Standard Update
2		FAAB-EB16	Connected	Update	Standard Update
3		FAAB-EB16	Connected	Update	Standard Update

- After selecting “Choose File”, a navigation box will appear. In the main folder a file named “EG4 18kPV to PowerPro Firmware” is where the .BIN file will be located. Confirm that the firmware being uploaded is named “EG4 18kPV to PowerPro.bin”.



- The firmware will now need to be uploaded to the online portal. Select “Upload File”.



## 8. The firmware file has now been uploaded to the portal.



**NOTE:** Double check that the correct firmware has been uploaded. Failure to do so will result in a soft-bricked BMS. If an incorrect file is uploaded, a manual RS485 update using a windows computer must be done to unbrick the BMS.

The screenshot shows the 'Remote Transfer - Monitor Center' interface. The 'Maintenance' tab is active. The 'Station' dropdown is set to 'Station #1'. The 'Firmware File' section shows a list of uploaded files. The 'Current Firmware' is 'EG4 18k to PowerPro update.bin - 100'. The 'Firmware File' table lists the following files:

Serial number	Dongle	Firmware Code	Connect Status	Action
1		FAAB-EB16	Connected	Update Standard Update
2		FAAB-EB16	Connected	Update Standard Update
3		FAAB-EB16	Connected	Update Standard Update

The 'Firmware File' table also lists the following files:

Firmware File	Firmware Type	Upload Time	Remarks
1 CCAA-xxxx08_dsp_4.hex	PCS	2023-11-09 11:42:23	
2 ccaa-xxxx08_com_2.hex	PCS	2023-11-09 11:42:12	
3 CCAA-16xxxx_msppt_20231109.hex	PCS	2023-11-09 11:41:58	
4 CCAA-xxxx0A_7_4.hex	PCS	2023-11-06 02:32:25	
5 ccaa-xxxx0A_3.hex	PCS	2023-11-06 02:32:09	
6 FAAB-xx12_Para375_20230801.hex	PCS	2023-08-17 14:40:05	
7 FAAB-xx12_Para075_20230801.hex	PCS	2023-08-17 14:39:59	
8 FAAB-xx12_20230809_App.hex	PCS	2023-08-17 14:39:49	
9 FAAB-xx10_20230701_App.hex	PCS	2023-07-10 15:14:50	
10 FAAB-xx10_Para375_20230701.hex	PCS	2023-07-01 13:35:55	
11 FAAB-xx10_Para075_20230701.hex	PCS	2023-07-01 13:35:49	
12 FAAB-10xx_20230701_App.hex	PCS	2023-07-01 13:35:39	
13 FAAB-xx0E_375DGP_20230513.hex	PCS	2023-06-22 16:02:11	
14 CCAA-xxxx08_dsp_4.hex	PCS	2023-11-09 11:42:23	

## 9. In this guide, Station #1 refers to the EG4 18kPV inverter station responsible for updating the EG4 batteries.

The screenshot shows the 'Remote Transfer - Monitor Center' interface. The 'Maintenance' tab is active. The 'Station' dropdown is set to 'Station #1'. The 'Firmware File' section shows a list of uploaded files. The 'Current Firmware' is 'EG4 18k to PowerPro update.bin - 100'. The 'Firmware File' table lists the following files:

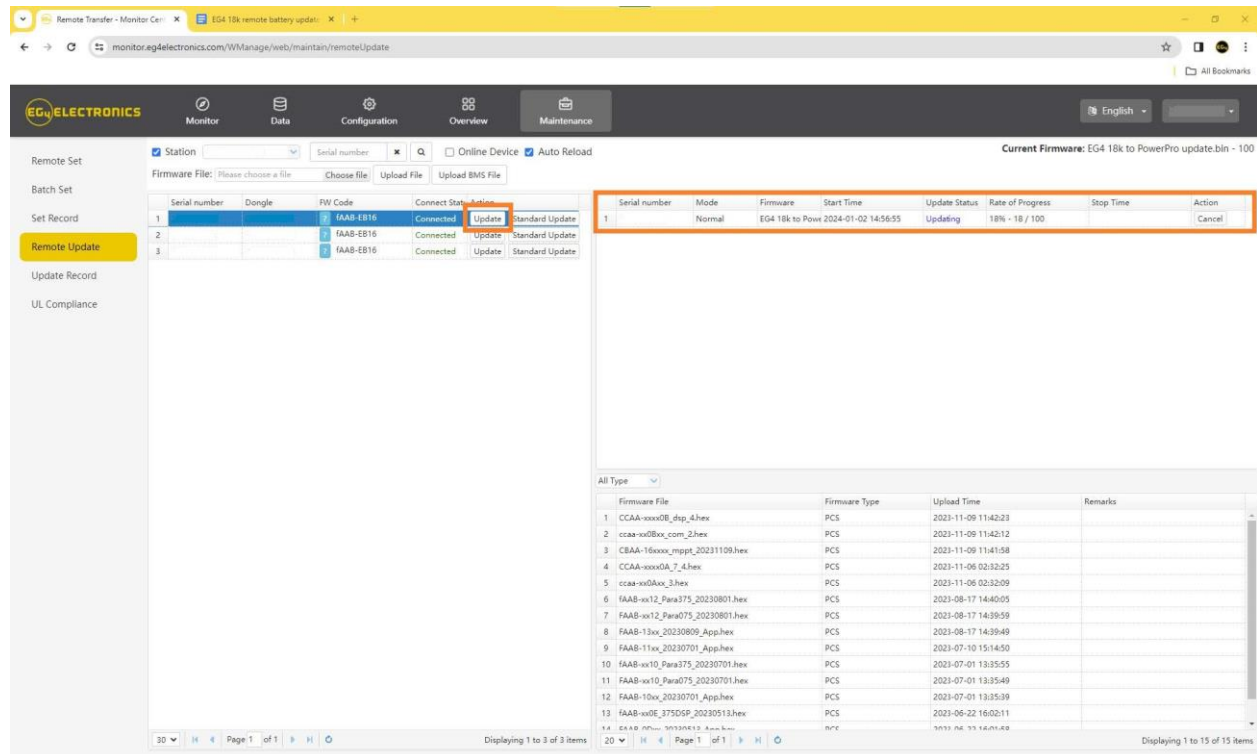
Serial number	Dongle	Firmware Code	Connect Status	Action
1		FAAB-EB16	Connected	Update Standard Update
2		FAAB-EB16	Connected	Update Standard Update
3		FAAB-EB16	Connected	Update Standard Update

The 'Firmware File' table also lists the following files:

Firmware File	Firmware Type	Upload Time	Remarks
1 CCAA-xxxx08_dsp_4.hex	PCS	2023-11-09 11:42:23	
2 ccaa-xxxx08_com_2.hex	PCS	2023-11-09 11:42:12	
3 CCAA-16xxxx_msppt_20231109.hex	PCS	2023-11-09 11:41:58	
4 CCAA-xxxx0A_7_4.hex	PCS	2023-11-06 02:32:25	
5 ccaa-xxxx0A_3.hex	PCS	2023-11-06 02:32:09	
6 FAAB-xx12_Para375_20230801.hex	PCS	2023-08-17 14:40:05	
7 FAAB-xx12_Para075_20230801.hex	PCS	2023-08-17 14:39:59	
8 FAAB-xx12_20230809_App.hex	PCS	2023-08-17 14:39:49	
9 FAAB-xx10_20230701_App.hex	PCS	2023-07-10 15:14:50	
10 FAAB-xx10_Para375_20230701.hex	PCS	2023-07-01 13:35:55	
11 FAAB-xx10_Para075_20230701.hex	PCS	2023-07-01 13:35:49	
12 FAAB-10xx_20230701_App.hex	PCS	2023-07-01 13:35:39	
13 FAAB-xx0E_375DGP_20230513.hex	PCS	2023-06-22 16:02:11	
14 CCAA-xxxx08_dsp_4.hex	PCS	2023-11-09 11:42:23	



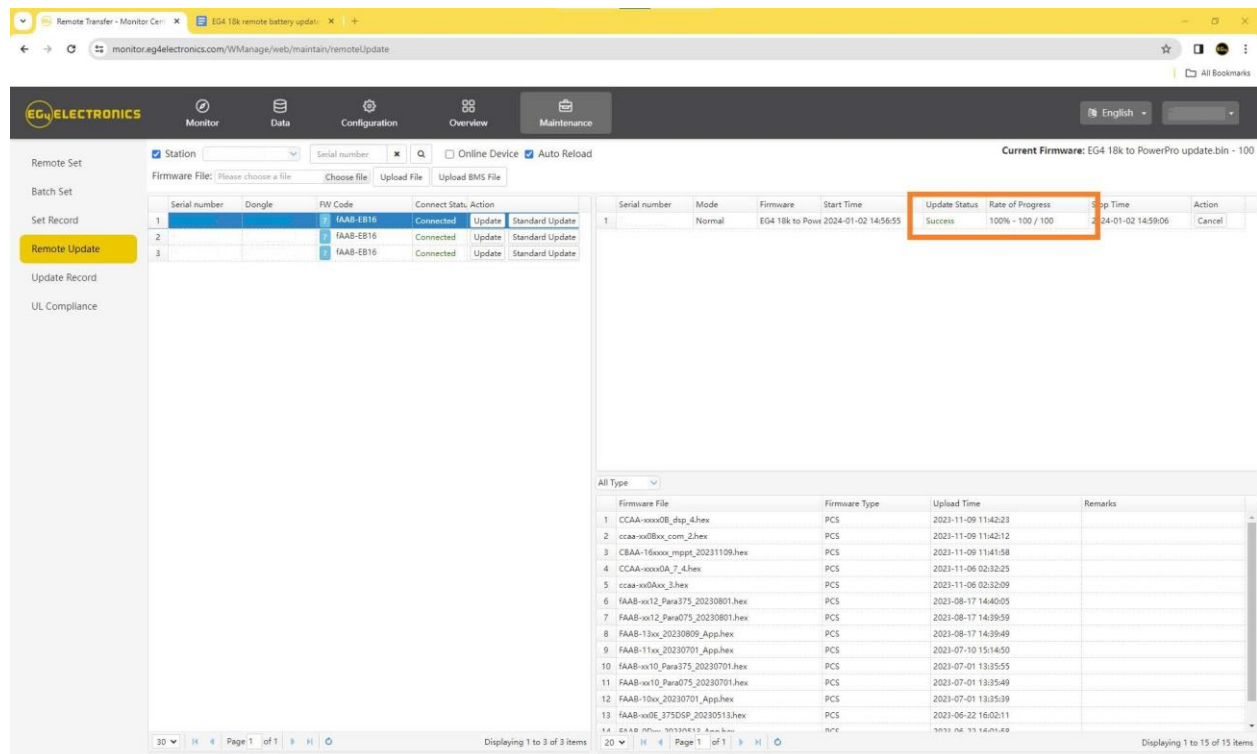
10. Last, click Update under the “Action column”. A progress bar will appear. The “Rate of Progress” will start at 0% and end at 100%. This is the status for the file being downloaded to the inverter. When reaching 100%, the file has been downloaded but not yet applied. Proceed to step 11.



The screenshot shows the EG4 Electronics web interface for remote updates. The 'Remote Update' section is active, and the 'Update' button is highlighted in the 'Action' column for the first device. The 'Update Status' table shows the progress of the update.

Serial number	Mode	Firmware	Start Time	Update Status	Rate of Progress	Stop Time	Action
1	Normal	EG4 18k to Powe	2024-01-02 14:56:55	Updating	18% - 18 / 100		Cancel

11. After the file has been downloaded to the inverter, the “Update Status” will read: “Success”. At this point, do not press cancel or power off the inverter/battery. The battery programming will begin.



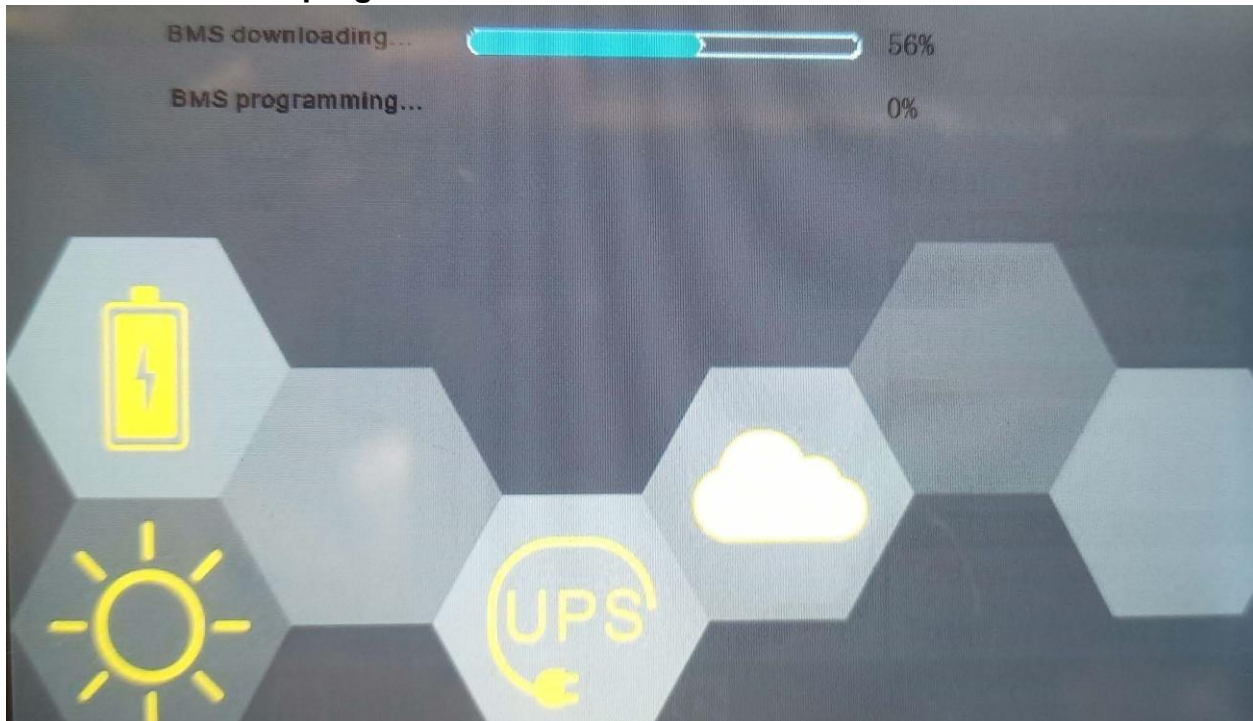
The screenshot shows the EG4 Electronics web interface for remote updates. The 'Update Status' table shows the progress of the update, with the status now 'Success'.

Serial number	Mode	Firmware	Start Time	Update Status	Rate of Progress	Stop Time	Action
1	Normal	EG4 18k to Powe	2024-01-02 14:56:55	Success	100% - 100 / 100	24-01-02 14:59:06	Cancel



**NOTE:** *The screen below will be visible at the same time the updates are going on. DO NOT SHUT OFF THE INVERTER!!!*

This is the EG4 18kPV inverter screen. While the file is downloading to the inverter, the BMS download progress bar will continue to fill until it reaches 100%.



Once the “BMS downloading” progress bar reaches 100%, the “BMS programming” will begin, and progress will be seen on the progress bar, as shown below. Once both tasks have reached 100% progress, the PowerPro battery has fully updated and will automatically restart.

