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.



2. 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.

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Select station first	9 E	ÿ								
Solar Yield			Battery Charge			Import		Consumption		
-Ö-		0 kWh Yield Today			59.3 kWh Charged Today	at t	61.6 kWh Today Import	-		0.3 kWh Today Usage
ZIR		13.1 kWh Total Yield			14683.3 kWh Total Charged		15286.1 kWh Total Import			126.9 kWh Total Usage
System Information	2024-01-02 09:12	58	0.14	0.214				Remain Cap		117 Ah
		*9m	PV2 0W PV3 0W	0.2 V 0 V 0.2 V	Normal	C		Full Cap		280 Ah
								Total Battery		1
0 W 41% 52.6 Vdc		€ ■ 18K,			GEN Dry Contai	V 4.6 Vac .03 Hz ± OFF		-1.1 A Discharge Cur	52.6 v TV	•
		EP	5 LIN: 0 W		GEN	Quick Start				
		St Ba	andBy kup Power(EPS)	1	W Start	t Quick Charge				
attery Information			1							
attery 0 - Battery_ID_01 - V 2.	17									
52.56 V Total Vol	42 % SOC									
-1.2 A Current	100 % SOH									

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

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	Fast Zero Export (?)	Enable Disable		Off-Grid Mode (?)	Enable Disable	
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4. Navigate to the "Remote Update" section under "Maintenance", and confirm the Station name.

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						4 CCAA-xxxx0A_7_4.hex		PCS	2023-11-06 02:32:25		
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						7 FAA8-xx12_Para075_20230801.he	ex	PCS	2023-08-17 14:39:59		
						8 FAAB-13xx_20230809_App.hex		PCS	2023-08-17 14:39:49		
						9 FAAB-11xx_20230701_App.hex		PCS	2023-07-10 15:14:50		
						10 fAA8-xx10_Para375_20230701.he	ж	PCS	2023-07-01 13:35:55		
						11 FAAB-xx10_Para075_20230701.he	EX.	PCS	2023-07-01 13:35:49		
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5. Select "Choose File" next to "Firmware File:" as shown below.

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6. 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".

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7. The firmware will now need to be uploaded to the online portal. Select "Upload File".

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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.

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

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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.

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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.

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				6 FAAB-xx12 Para375 2023	0801.hex	PCS	2023-08-17 14:40:05		
				7 FAA8-xx12 Para075 2023	0801.hex	PCS	2023-08-17 14:39:59		
				8 FAAB-13xx 20230809 Apr	p.hex	PCS	2023-08-17 14:39:49		
				9 FAAB-11xx 20230701 Apr	p.hex	PCS	2023-07-10 15:14:50		
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	30 - 14 4 Page 1 of 1 1	H O	Displaying 1 to 3 of 3 items	20 🛩 🔣 📢 Page 1 o	of 1 🕨 🕅 🔿			Displayin	g 1 to 15 of 15 items

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% progres, the PowerPro battery has fully updated and will automatically restart.

