

Application Note – Updating firmware on Pylontech UP5000 batteries to 0.9C C-rating



Updating firmware on Pylontech UP5000 batteries to 0.9C rating

The following is required to successfully update the battery firmware:

- New BatteryView for Pylontech battery. Can be found here.
- Firmware for battery. Can be found here.
- RS232 to USB cable Kit. Can be purchased here.

Once you have all the components listed above, the following steps will guide you on how to upgrade firmware on your battery.

- 1. Using the RS232 to USB cable kit, plug the USB side into your laptop or computer and the RJ45 side into the "console" port on the battery. Switch on the battery using the power switch.
- 2. Open the BatteryView program (BatteryView_us2000b_series_3.0.28). Click on BatteryView to open the program.

> Pylontech > BatteryView_us2000b_serie	s_3.0.28		
Name	Date modified	Туре	Size
Configs	7/11/2023 2:54 PM	File folder	
📒 dii	7/11/2023 2:54 PM	File folder	
📜 en	7/11/2023 2:54 PM	File folder	
📜 Update log	7/24/2023 11:51 AM	File folder	
n zh-CHS	7/11/2023 2:54 PM	File folder	
🚞 zh-cn	11/29/2021 11:25 AM	File folder	
BatteryView	11/29/2021 11:20 AM	Application	690 KB
BatteryView.exe.config	9/11/2018 3:16 AM	CONFIG File	1 KB
BatteryView.pdb	11/29/2021 11:20 AM	PDB File	900 KB
BatteryView.vshost	11/29/2021 8:35 AM	Application	23 KB
BatteryView.vshost.exe.config	9/11/2018 3:16 AM	CONFIG File	1 KB
BatteryView.vshost.exe.manifest	3/18/2010 8:39 AM	MANIFEST File	1 KB
ICSharpCode.SharpZipLib.dll	9/11/2018 3:16 AM	Application extens	196 KB
LabelGradient.dll	9/11/2018 3:16 AM	Application extens	20 KB
LEDIndicator.dll	9/11/2018 3:16 AM	Application extens	30 KB
NPOI.dll	9/11/2018 3:16 AM	Application extens	1,640 KB
NPOI.OOXMLdII	9/11/2018 3:16 AM	Application extens	483 KB
NPOI.OpenXml4Net.dll	9/11/2018 3:16 AM	Application extens	89 KB
NPOI.OpenXmlFormats.dll	9/11/2018 3:16 AM	Application extens	2,072 KB

A pop-up window like the one below should display on your computers screen. Select "Connect".



3. Ensure that the cable is detected by your laptop. This can be verified by going to the following location on your laptop: Control panel > Device manager > and expand the Ports (COM & LPT).

It should look like the below. Please note that your device might have a different COM number, it will beCOMX (Where X is the number).



4. Back to the BatteryView application opened. The Port Name will be automatically recognized once the RS232 cable is well installed or from the Device Manager; The Baudrate is 115200. Press okay to connect and then press start scan.

📑 BatteryView 3.0.28	
File(<u>F)</u> Run(<u>R</u>) Window(<u>W</u>)	Options(<u>O</u>) Language(<u>L</u>) About(<u>A</u>)
Connect Disconnect Start Scan	Pau 🖳 ConnectDialog — 🗆 🗙
Device List Window	
Battery Module	Connect Type RS232 ~
	Port Name COM7 ~
	Baud Rate 115200 ~
	United
	Units 8
	OK Cancel

5. If the BatteryView shows values, it means the connection is successful. Please doubleclick the 'Battery Module' tool bar to receive correct battery information on the bottom right side, then take a Screenshoot as evidence for further maintenance task. Please choose the "Update".

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	VoltageWi	Current(A)	Temperature(C)	Capacity(Ah)	Carls Time	1400	8.045 F	Bend						
1						Tuble .	8.346.9	Break						
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1					-	1400	1.2017	Rend.						
						1404	1.101	Bend						
	the second second					140	3.346.7	Band						
ouble-click	Charge					149	1.96.7	Bred						
		- C				140	1.00.7	Band						
						100	1.00.1							
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- 6. Click Browse to choose the firmware.
- For upgrade of the UP5000 to 0.9C:

Please select the correct .zip file for the upgrade and require using Batteryview V3.0.28. *The .zip file firmware for upgrading the UP5000 to 0.9C can be downloaded <u>here</u> and it is named UP5000 0.9C.zip.

*NB: Don't unzip the .zip file when doing the firmware upgrade for the UP5000 to 0.9C rating battery module.

Update Di	alog			- 🗆	×
			▲ ▼	Browse	
	Data Package	Error Check			
	Progress				
	Options Clear EEPROM				
				Program	

7. Click "Program" to start.

Update Dialog	-		×
C:\Users\pylontechfirmware\Desktop\Pylontech\UP5000 0.9C zip	•	Browse	
Data Package Error Check			
Progress]
Options			
Clear EEPROM		\downarrow	
		Program]

8. Please keep watching the progress bar and 'Program' button till 100%.

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9. Click "Complete" and the program will return to the main page.