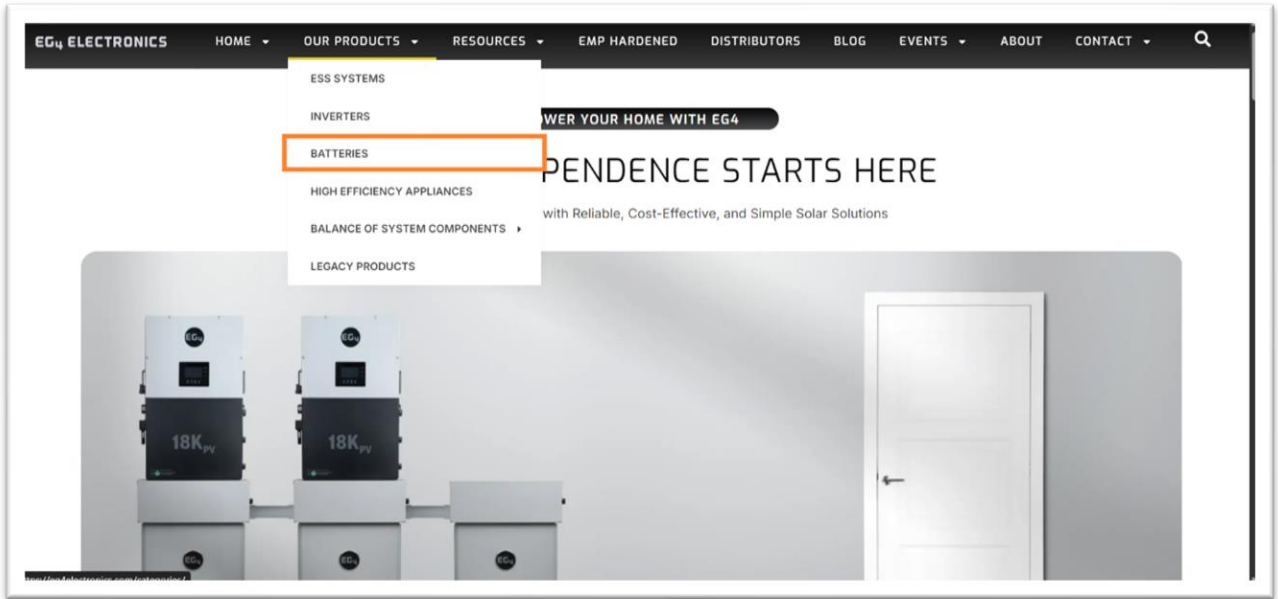


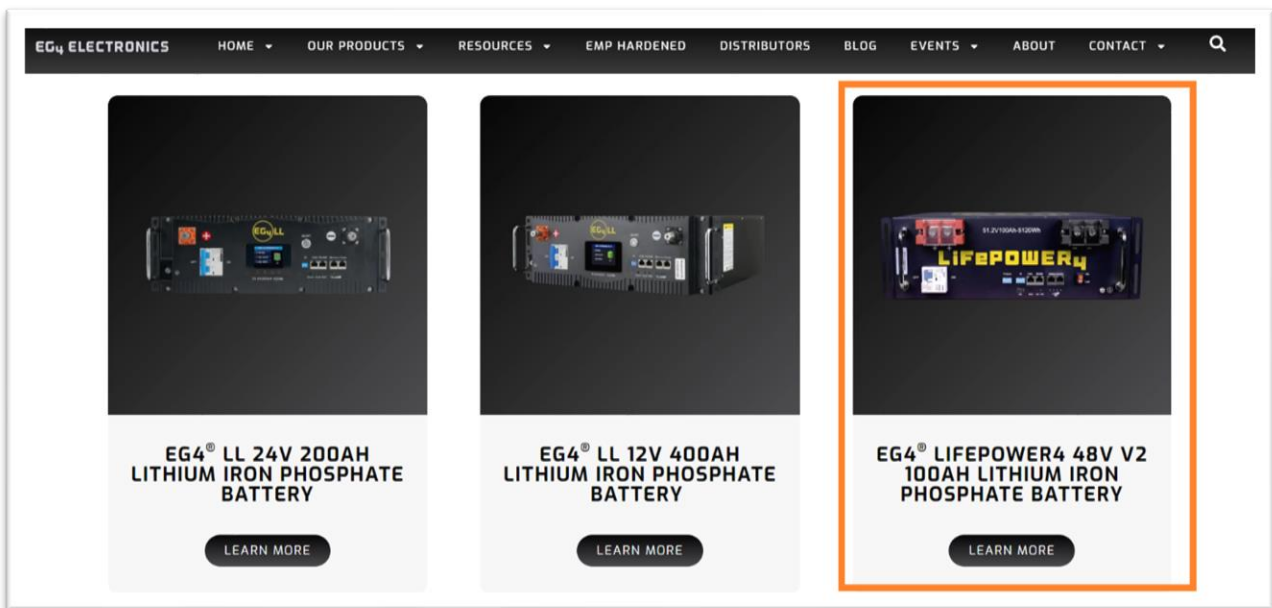
# EG<sub>4</sub> ELECTRONICS

## 51.2V 100ah Lifepower4 V2 RS485 Update Guide

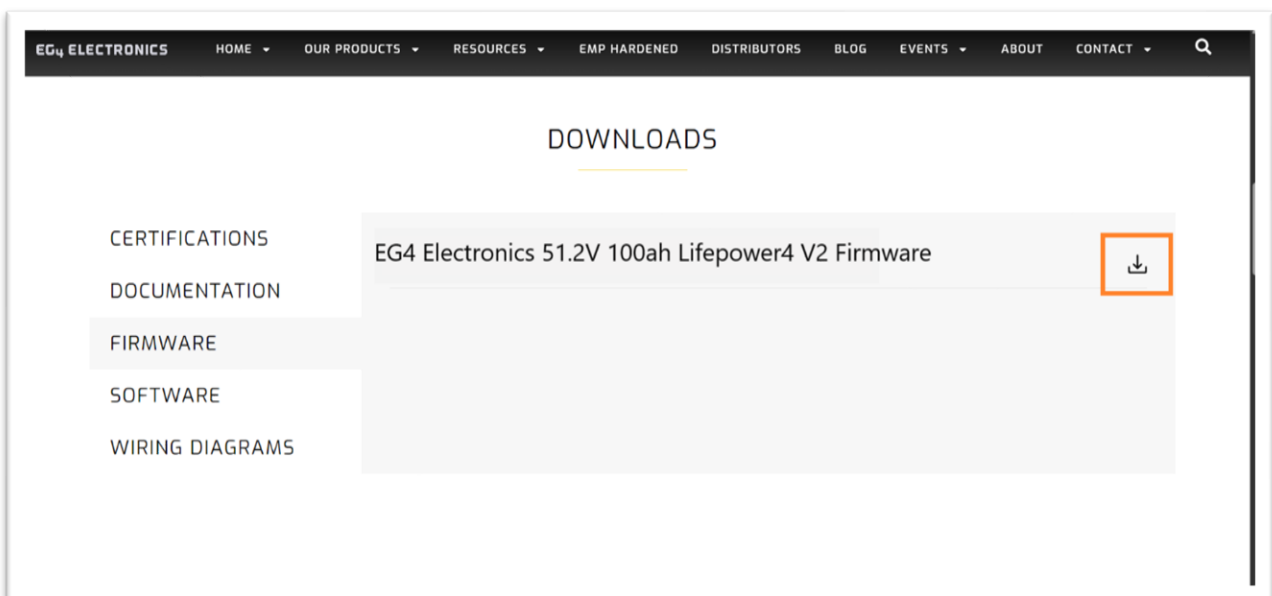
1. Navigate to the eg4electronics.com website, under our products click on batteries.



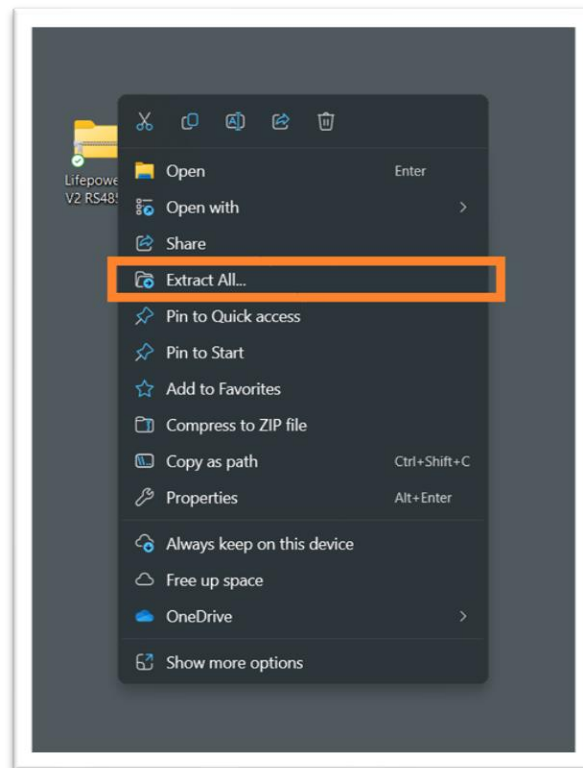
2. Scroll down until you find the EG4 Lifepower4 48V V2 100AH Lithium Iron Phosphate Battery. Then click learn more.



3. Click Firmware, then click the download button labeled here.



4. After downloading the file, it will be compressed as a .ZIP file. You can use Windows built in file extraction program or a third-party program. The file will have to be unzipped.



1. Using an RS-485 (RJ45 Pins 1-B,2-A) to USB-A connect to the RS-485 port of the battery and then to a USB-A port on a Windows computer.  
(This cable can be requested from EG4 Electronics Technical Support)



2. Power ON only the ON/OFF switch on the Lifepower4 V2 battery.



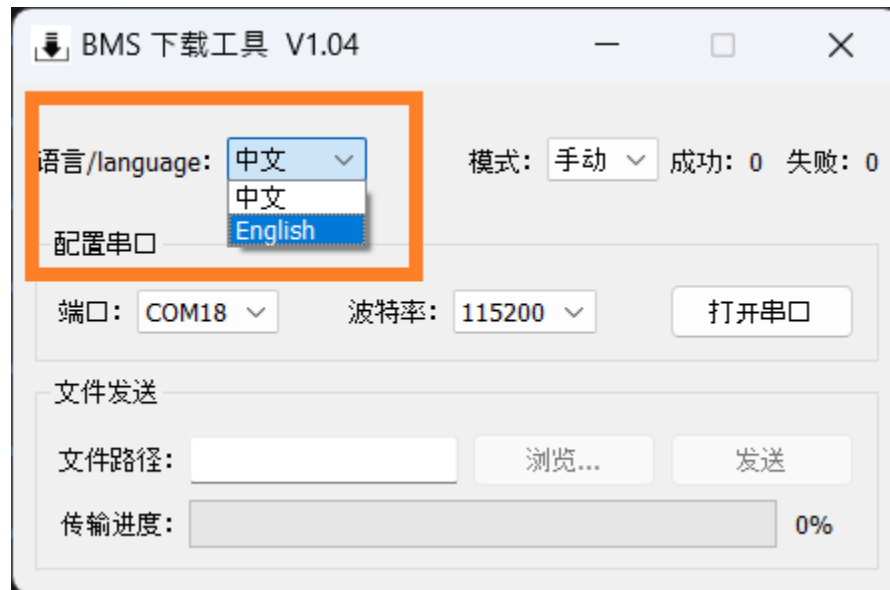
3. Open the Lifepower4 V2 RS485 Firmware folder.
4. After unzipping the folder begin by opening the Lifepower4 V2 RS485 Updater

Name	Status	Date modified	Type	Size
Lifepower4 V2 RS485 Firmware	✓	2024-09-25 9:21 AM	File folder	
Lifepower4 V2 RS485 Updater	✓	2024-09-25 9:19 AM	File folder	
51.2V 100ah Lifepower4 V2 Firmware Cha...	✓	2024-09-25 10:49 AM	Microsoft Edge PD...	37 KB

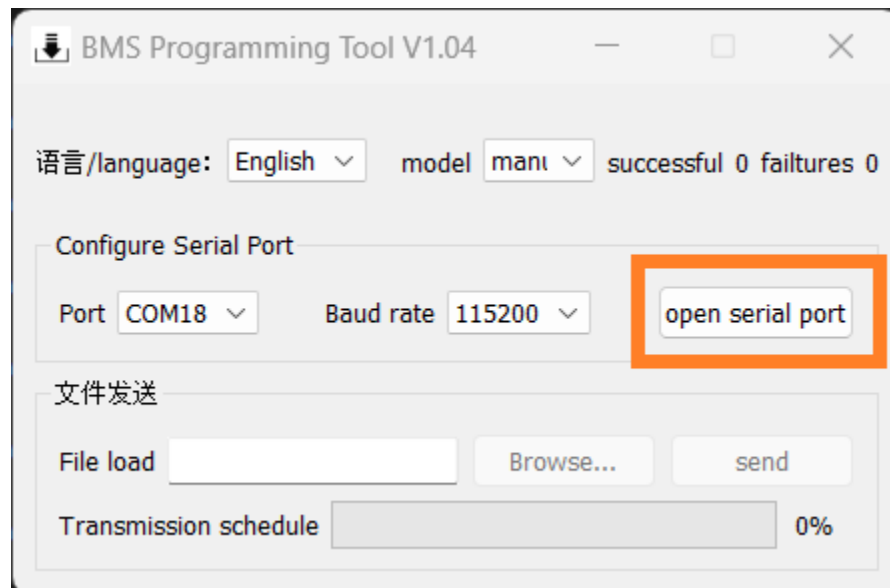
5. Open the Lifepower4 V2 RS485 Updater application.

Name	Status	Date modified	Type	Size
iconengines	✓	2024-09-25 9:18 AM	File folder	
imageformats	✓	2024-09-25 9:18 AM	File folder	
platforms	✓	2024-09-25 9:18 AM	File folder	
styles	✓	2024-09-25 9:18 AM	File folder	
translations	✓	2024-09-25 9:18 AM	File folder	
D3Dcompiler_47.dll	✓	2024-02-28 10:15 AM	Application extens...	3,386 KB
libEGL.dll	✓	2024-02-28 10:15 AM	Application extens...	29 KB
libgcc_s_dw2-1.dll	✓	2024-02-28 10:15 AM	Application extens...	112 KB
libGLSV2.dll	✓	2024-02-28 10:15 AM	Application extens...	4,408 KB
libstdc++-6.dll	✓	2024-02-28 10:15 AM	Application extens...	1,507 KB
libwinpthread-1.dll	✓	2024-02-28 10:15 AM	Application extens...	46 KB
Lifepower4 V2 RS485 Updater	✓	2024-02-28 10:15 AM	Application	88 KB
opengl32sw.dll	✓	2024-02-28 10:15 AM	Application extens...	15,621 KB
operational process	✓	2024-02-28 10:15 AM	Text Document	1 KB
Qt5Core.dll	✓	2024-02-28 10:15 AM	Application extens...	6,572 KB
Qt5Gui.dll	✓	2024-02-28 10:15 AM	Application extens...	6,778 KB
Qt5SerialPort.dll	✓	2024-02-28 10:15 AM	Application extens...	90 KB
Qt5Svg.dll	✓	2024-02-28 10:15 AM	Application extens...	359 KB
Qt5Widnets.dll	✓	2024-02-28 10:15 AM	Application extens...	6,219 KB

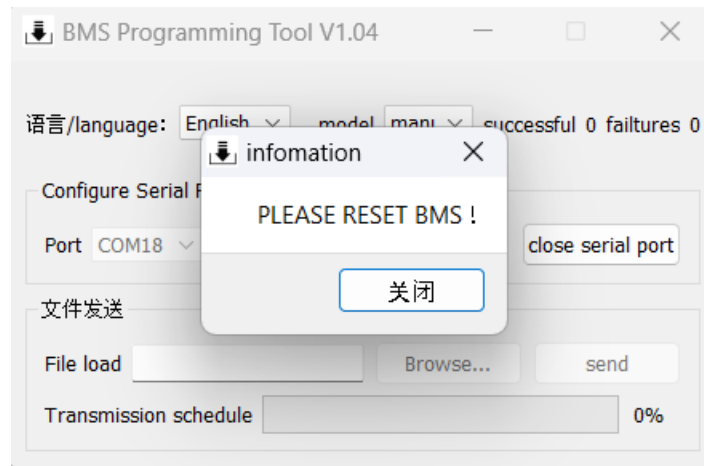
6. Click on Language and change to English.



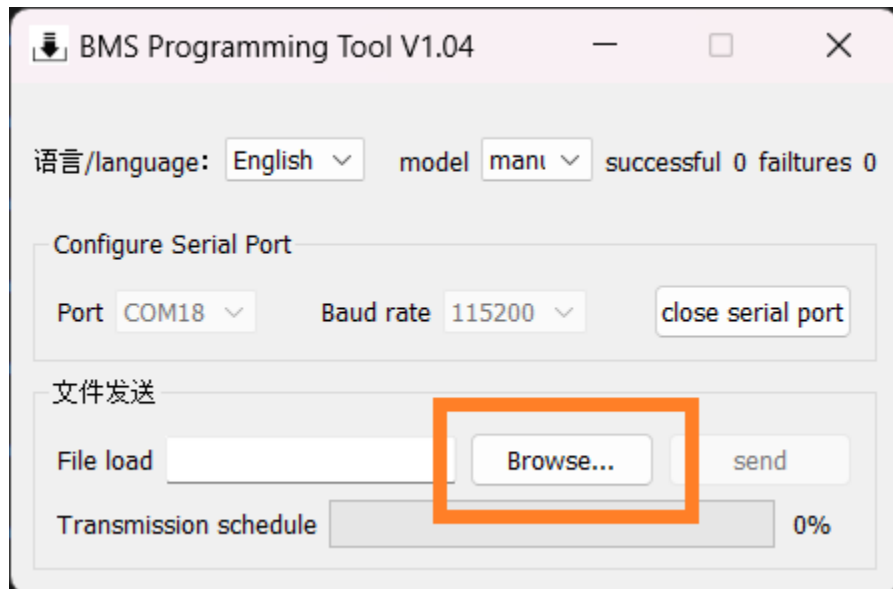
7. Click Open Serial Port.



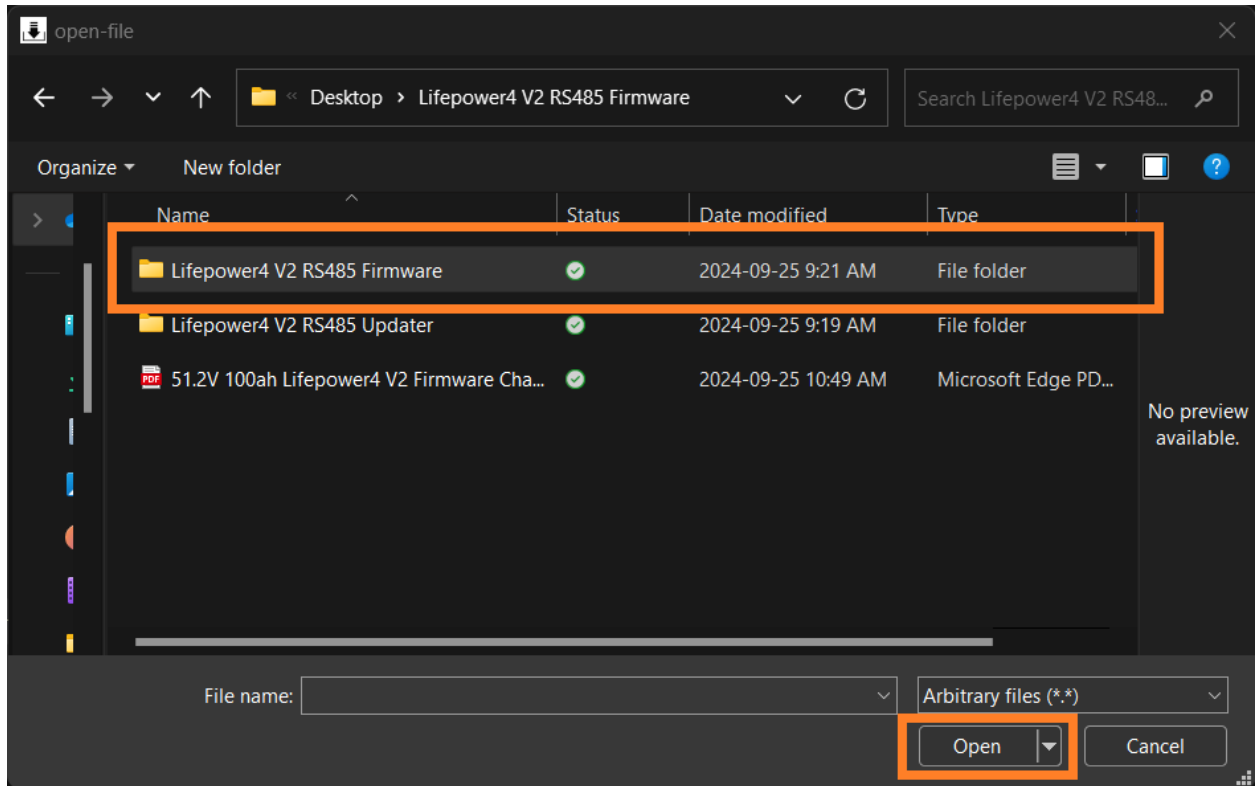
8. Now physically reset the ON/OFF button on the Lifepower4 V2 battery.



9. Please Reset BMS! Will now disappear. Click Browse...

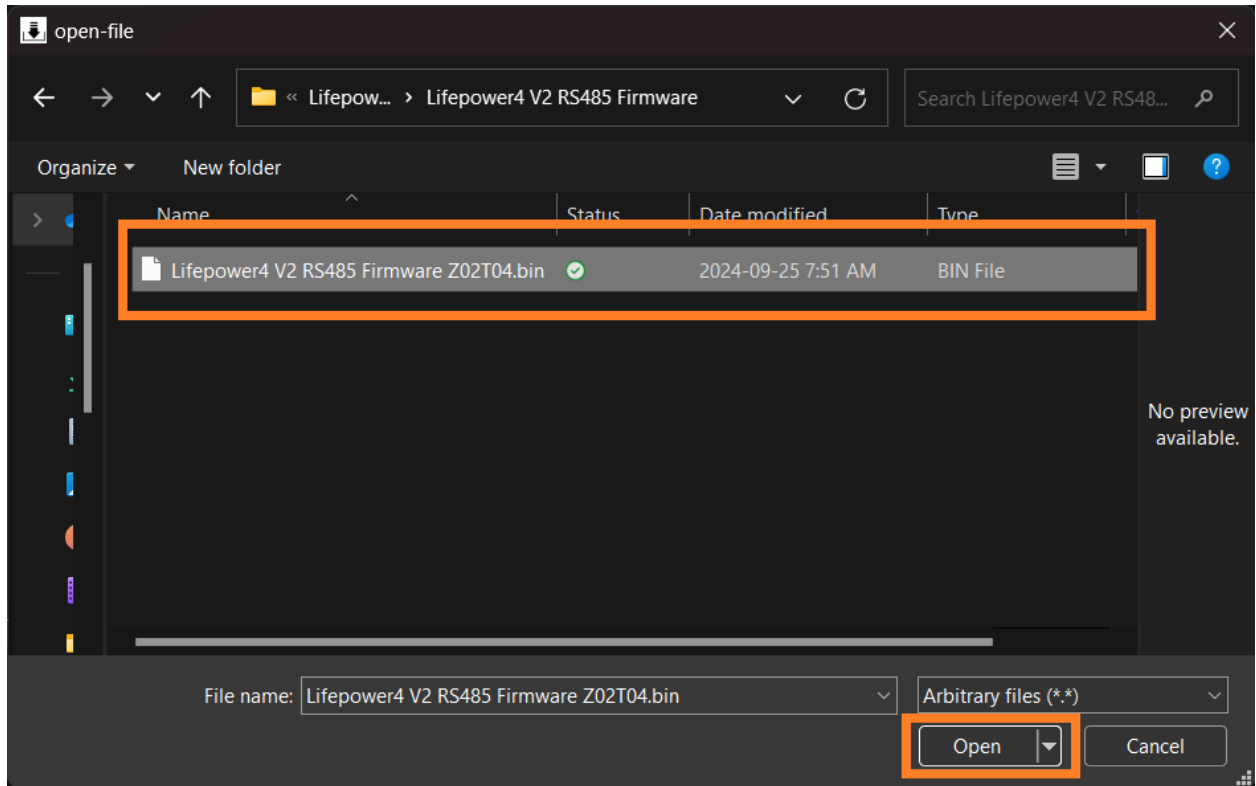


10. File Explorer will now open, navigate to the Lifepower4 V2 RS485 Firmware folder and click Open.

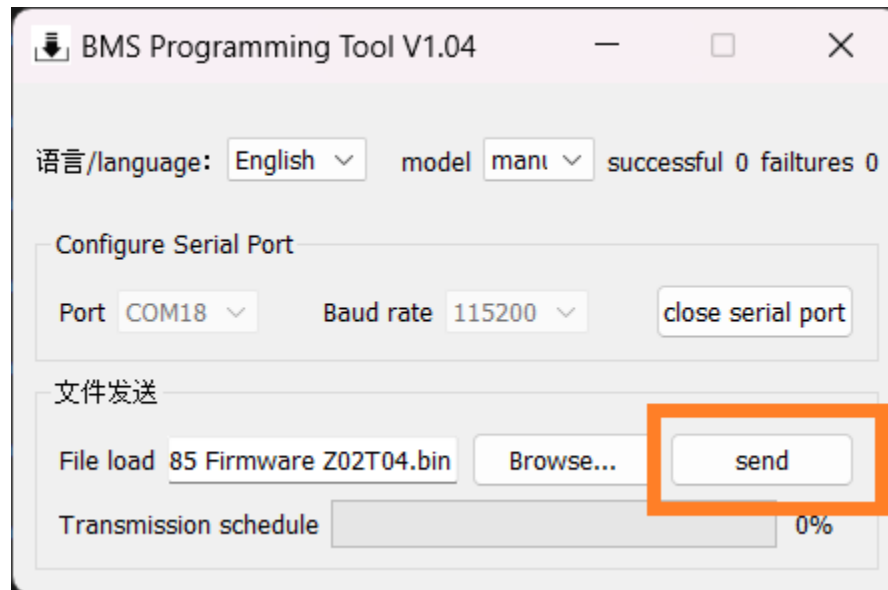




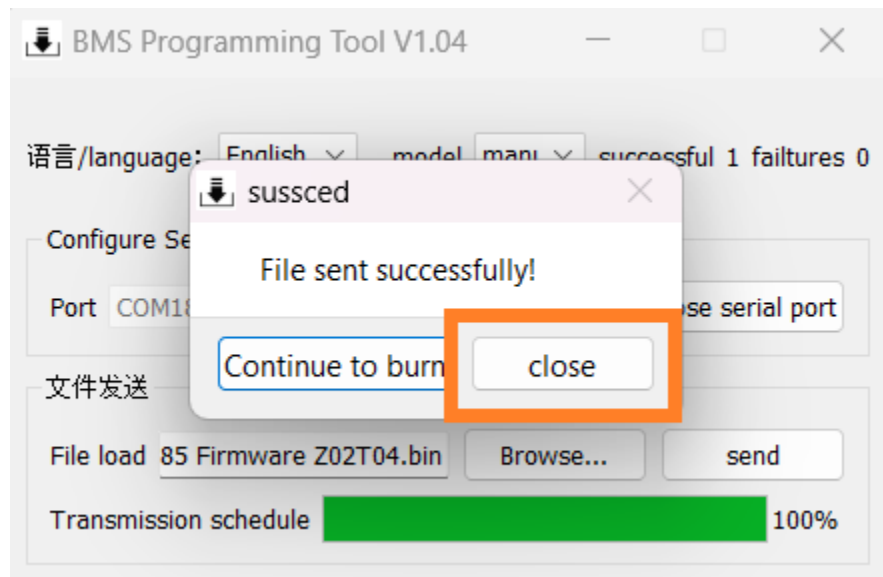
11. Click on the file named Lifepower4 V2 RS485 Firmware Z02T04.bin and click Open.



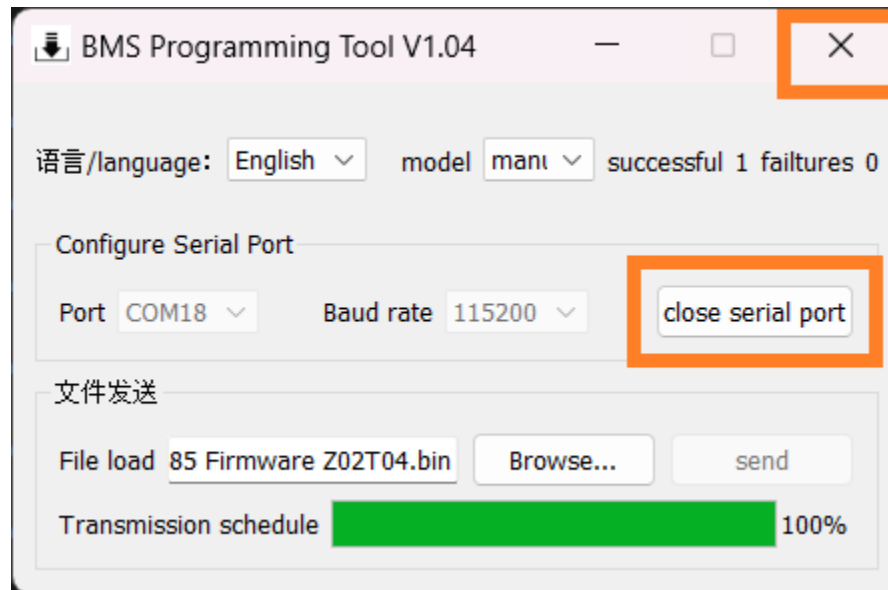
12. After the file is imported into the updater, click Send.



13. File Sent Successfully! Will appear after the update is complete, click Close.

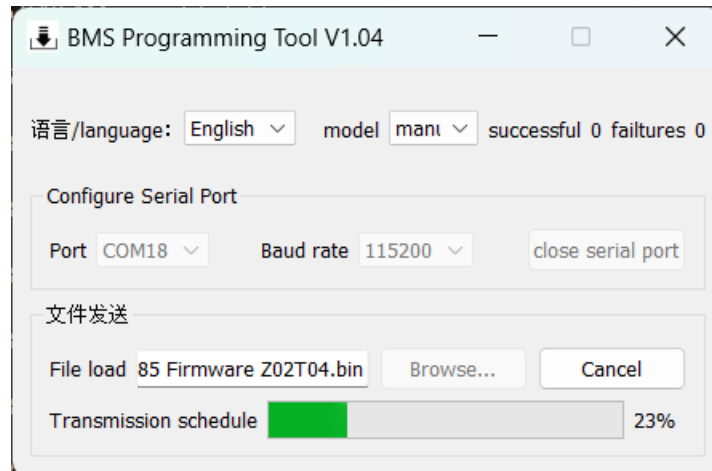


14. Last click Close Serial Port, then Exit the program.

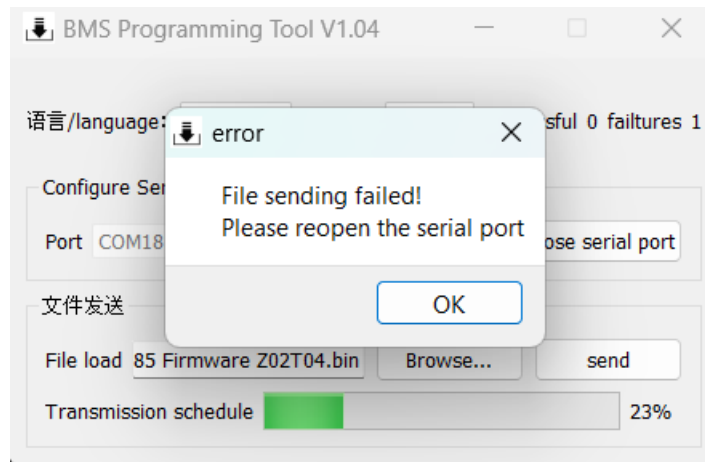


# Troubleshooting Guide

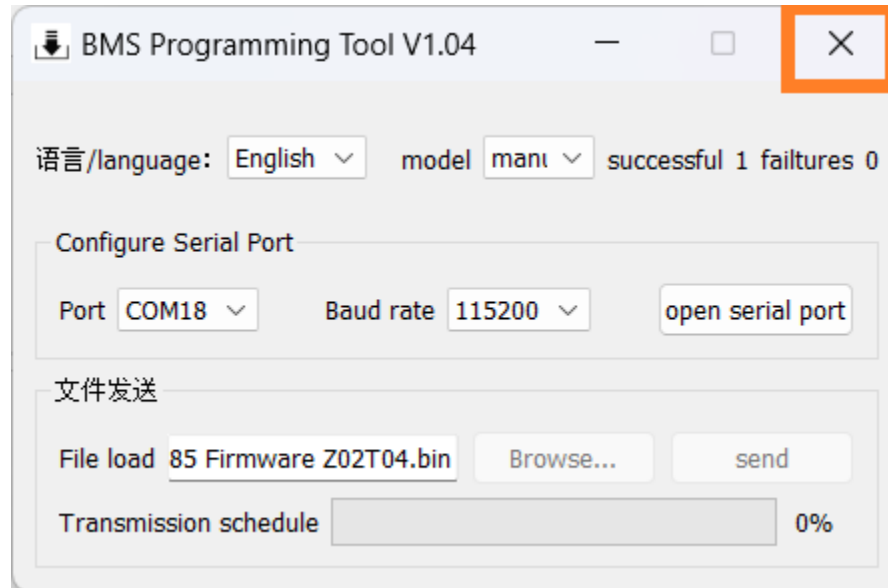
1. If the RS485 cable was to be disconnected midway through the update. The BMS Programming Tool V1.04 will show a stuck Transmission schedule %.



2. Within 1-minute the BMS Programming Tool V1.04 will show an Error. Click OK.



3. You will have to EXIT the BMS Programming Tool V1.04 and re-open the program to perform the next update.



4. Follow steps 7-13 to re-update the battery successfully. After a successful update, the batteries SOC LEDs, and RUN LED will power back on showing the battery is not in a software bricked state.

