

## Guide on updating a EG4 Lifepower4 battery

- 1. Confirm that the cable you are using is an USB-A RS485 to RJ45 that is pinned out for 1,2 (1-B,2-A) on the RJ45 connector. Now plug in the cable from your computer to the RS485 RJ45 jack on the lifepower4 battery.
- 2. Set the dip switch to ID:0 and power on the battery. Remove any other CAT patch cables plugged into the battery if in parallel with other batteries.
- 3. Open the BMS Test application
- 4. On the Config-info tab, make sure the Port Number: is set to the correct Com # relating to the RS-485 cable, next press the connect button under the port settings, at the very bottom the green port opened successfully! status will flash.

U MAS_REV_U/L/3	- U	~
Language Show communication name Save record computation		
English Little Auto save Number of recreated files: 600 V		
Port Settings Select battery type		
Port Number: COM24 V PortRefresh LIFePO4 battery V		
App BaudRate (9600 ~		
Boot BaudRate: 115200 V Connect		
Date bits. None		
Byte interval: 60 v		
DIIC Ton:	2022 09 15 12:50 50	

5. Click on the Program Upgrade tab, Under the upgrade operation box, change the device address to ID:0.

BMS_Test_V2.7.3		¬	- • ×
Configinfo Batinfo ParameterSetti	ng HistoricalData Config ProgramUpgrade		
Password: Upg	rade progress:	Time consuming:	
File:		Load upgrade program	
Upgrade file information		Upgrade operation	
File size:	Total packet number:	Device Type: 10 V	
Number of bytes per packet:	Current package number:	Device address: 0 v	
Project subdivision number:			
Hardware version number:		opgrade start	
Boot information			
Boot version number:			
Hardware version number:			
Project subdivision number:			
Get Boot information			
Status:			
BMS:			Time: 2023-08-15 13:06 56

6. Now click Get Boot Information *WARNING! When getting boot information, the battery cannot be charging or discharging, Get Boot Information will fail!* 

BMS_Test_V2.7.3		- 0 ×
Configinio Batinio ParameterSetting HistoricalData Config ProgramUpgrade		
Password: Upgrade progress:	Time consuming:	
File:	Load upgrade program	
Upgrade file information	Upgrade operation	
File size: Total packet number:	Device Type: 10 v	
Number of bytes per packet: Current package number:	Device address: 0 V	
Hardware version number:	Upgrade start	
Boot information		
Boot version number:		
Hardware version number:		
Project subdivision number:		
Get Boot information		
Status:		
BMS:	Time: 2023-08-1	5 13:06 56

7. After clicking Get Boot Information, you have now populated the boot information box. Get boot information successfully! will be listed in the prompt below. The hardware version number will be used to determine which update will be applied to the Lifepower4 battery. The only 2 hardware versions are 0207, 0205.

BMS_Test_V2.7.3			- 0 ×
Configinfo Batinfo ParameterSetting Histori	calData Config ProgramUpgrade		
Password: Upgrade progres	SS:	Time consuming: 2.562 s	
File:		Load upgrade program	
Upgrade file information		Upgrade operation	
File size:	Total packet number:	Device Type: 10 V	
Number of bytes per packet:	Current package number:	Device address: 0 V	
Project subdivision number: Hardware version number:		Upgrade start	
Boot information			
Boot version number: 555AAA69			
Hardware version number: 0207			
Project subdivision number: YS00			
Get Boot information			
Get boot information successfully!			
Status:			
BMS:		Time: 2023-	08-15 13:11:21

## 8. Now click load upgrade program.

BIM5_Test_V2.7.3			- 0 ×
ConfigInfo BatInfo ParameterSetting Historic	alData Config ProgramUpgrade		
gets_jetty/27.3         Configinto         Batinto         ParameterSetting         Historic           Configinto         Batinto         ParameterSetting         Historic           Password:         Upgrade progres         Upgrade progres           File:	alData   Config   ProgramUpgrade   s: Total packet number: Current package number:	Time consuming: 2.562 s       Load upgrade program       Upgrade operation       Device Type:       0 >       Upgrade start	
Project subdivision number: YS00 Get Boot information Get boot information successfully!			
Status:			
BMS:			Time: 2023-08-15 13:16:39

8. File explorer will open, locate the update .BINC firmware folder

🛐 Open			$\times$
Look in:	Lifepower4 51.2V 100ah firmware V	G 🤌 📂 🛄 -	
Quick access Desktop Libraries	Name Changelogs README If using Com-Hub V3.26 .binc files V3.30 .binc files for Schneider protocol	Date modified 2023-08-15 11:27 AM 2023-08-15 11:27 AM 2023-08-15 11:27 AM 2023-08-15 11:27 AM	Type File fo File fo File fo
Network	< File name: Files of type: *.binc	<ul><li>✓ Op</li><li>✓ Can</li></ul>	> en cel

9. After determining which Hardware Version the battery your updating has, choose the correct HW0207 or HW0205 . Binc file. Then click open

🚺 Open						×
Look in:	V3.26 .binc fil	es 🗸	G 🥬	• 🖭 对		
4	Name	^	Date m	odified		Туре
Quick access	YS00_SW031	A_HW0207_Update.binc 4_HW0205_Update.binc	2023-07 2023-07	7-14 7:55 A 7-14 7:55 A	M	BINC
Desktop						
Libraries						
This PC						
٢	,					,
Network	File name:	YS00_SW031A_HW0207_Update	,	~	Op	en
	Files of type:	*.binc		$\sim$	Can	cel

10. After opening the .BINC file, the information will automatically be populated for updating the firmware. Program data verification is correct! will be listed in the prompt below.

BMS Test V2.7.3	
Configinfo Batinfo ParameterSetting HistoricalData Config ProgramUp	rade
Configinio       Batinio       Parametersetting       Historicaluala       Config       ProgramUp         Password:       Upgrade progress:       Image: Config ProgramUp         File:       C:Uusersi/CTB0011/Desktop/Lifepower4 51 2V 100ah firmware/V3.26. binc fi         Upgrade file information       File size: 208902 bytes       Total packet number: 1633         Number of bytes per packet: 128       Current package number: 0         Project subdivision number: 0702       Boot information         Boot version number: 055AAA69       Hardware version number: 0207         Project subdivision number: YS00       Get Boot information         Get Boot information       Solon information	rade Time consuming: 2:563 s estysou_SW031A Load upgrade program Uuggrade operation Device Type: 10 Upgrade start Upgrade start
Status:	
BMS:	Time: 2023-08-15 14:15 22

## 11. Now click upgrade start

BMS_Fet_V27.3 —	o ×
onfiginfo Batinfo ParameterSetting HistoricalData Config ProgramUpgrade	
Andigino Batino ParameterSetting HistoricalData Config   ProgramUpgrade Password:   Upgrade progress: Time consuming: 2.563 s   File:    Upgrade file information  File size: 208902 bytes  Total packet number: 1633 Current package number:0  Project subdivision number: 0207 Proj	
tt bott information successfully! rogram data verification is correct!	
atus:	
IS. Time: 2023-08-15 14:15	22

12. The upgrade progress bar will begin to fill, after the update is finished Upgrade Successful! will be listed in the prompt below. You have now successfully updated a EG4 Lifepower4 battery.

BMS_Test_V2.7.3			- 0 ×
Configinfo Batinfo ParameterSetting Histor	icalData Config ProgramUpgrade		
Password: Upgrade progre	SS:	Time consuming: 111.047 s	
File: C:\Users\CTB0011\Desktop\Lifepower4 51	.2V 100ah firmware\V3.26 .binc files\YS00	D_SW031A_I Load upgrade program	
Upgrade file information		Upgrade operation	
File size: 208902 bytes	Total packet number: 820	Device Type: 10 v	
Number of bytes per packet: 255	Current package number: 820	Device address: 0 V	
Project subdivision number: YS00			
Hardware version number: 0702		Upgrade start	
Boot information			
Boot version number: 555AAA69			
Hardware version number: 0207			
Project subdivision number: YS00			
Out David information			
Get Boot information			
Get hoot information successfully			 
Program data verification is correct!			
Upgrade successful!			
Status:			
3MS:			Time: 2023-08-15 14:33:28