eFlex Max Firmware Update

Document Version	Notes
EMFU 1.0	



Configure Modbus Tool

1. Using the Modbus tool with a RJ45 T-568B cable, make sure the pin 7 (cable brown-white) is in the RS485A port and the pin 8 (Brown) is in port RS485B.

2. Connect the RJ45 plug to the "Up-Link port of the eFlex MAX" and the USB side on a Windows laptop computer

Firmware Update

1. Open the upper computer software, select the correct COM port according to the actual computers COM port and select DIP Addr to 0. If, Successful, data should start populating.

NFO	PARA	CONFIG	STORAGE Tass	Storage	Change p	arameters	
SinglePac	k MultiF	acks Rec	ord Parallel group	display	Parallel pa	ket data storage	
Caption	Value	Unit	Caption	Value	Unit	MOS charge-discharge state CHG_MOS ON Dis_MOS ON Charging CHG_MOS OFF Dis_MOS OFF Discharge Other: Heat State Fan State Gap waite Protection Status:	Normal Status SOH:0.00% AlarmCode: AlarmCode: SOC:0.00% SN:
						Alarm Status:	Communication Err No Current Current_Limiter_D
Hax Vo Open BaudR:	come ate 9600	in Volt	Cell Balance DIP_Addr 1 ~ Pack_Coun 1 ~	S/R_Sta 100 123	tus: 000 456 rallel poll	(语言/Language) English ·	×

2. Select the CONFIG option and enter the password in the password box: 888888

🌈 Fan	nily_BMS-test	/1.1.635-56										_	×
INFO	PARA	CONFIG	STORAGE	T ass Storage	Chan	ge para	meters						
										Change	Password	1	
Status	: Communicat	tion OK-, a	ddr1fail B	MS:			1	CB Barcode:					

3. After entering the password, the following interface appears. Select Online_Update and click Load_Bin to select the desired bin file:

FO	PARA	CONFIG	STORAGE	Tass	Storage	Change parameters		
Common	Config							
Full	Capacity	100000	mAH	Write	Read	Cell Count 15S (555) ~ Write		
Remai	in_Capacit	50000	🔹 mAH	₩rite				
Nomir	nal capaci	100000	+ mAH	₩rite	Read	Sleep		
PCB	Barcode				Write	Clear		
S	N Code				in the second	Read Write		
. 11	c1 .		line Indate					
ldjust	Clear Log	Swich On	line_Opdata	l'aram1	Param2 Anti	-theft Batt Code Enable switch		
Main	File Path							
Main	File Path					^		
Main	File Path					^		
Main	File Path					∧		
Main	File Path					Total b Total p		
Main	File Path					Total b Total p		
Main	File Path					Total b Total p		
Main (1)	Load B	in	One 102	packet 1	ength Di yte 8	Total b Total p		
	Load B	in	One 102	packet 1 4 v b	ength D yte 8	Total b Total p elay time(800) 00 ms Upgrade Progress 100 %	1	
(1) (2)	File Path	in t	One : 102	packet 1 44 v b	ength D. yte 8	Total b Total p alay time(800) 00 ms Upgrade Progress 100 % Clear		
(1) (2)	File Path	in t	One 102	packet 1 4 v b	ength D yte 8	Total b Total p elay time(800) 00 r ms Upgrade Progress 100 % Clear]	
(1) (2)	File Path Load B Start Stop	t 🌒	0ne : 102	packet l 24 v b	ength Dr yte 8	Total b Total p elay time(800) 00 r ms Upgrade Progress 100 % Clear]	
(1) (2)	File Path Load B Star Stop Boot Ver:	in t	0ne : 102	packet 1. 14 v b Start tin	ength D yte 8	Total b Total p elay time(800) 00 \$\vert ms Upgrade Progress 100 % Clear Status]	
(1) (2)	File Path Load B Star Stop Boot Ver:	in t	0ne : 102	packet 1 4	ength D yte 8 ne:	Total b Total p alay time(800) 00 \$\overline ms Upgrade Progress 100 % Clear Status		

BAN-HW001-B150LT55C-V1.1.5 (1).bin

4. After selecting the file, click Start and wait for the upgrade to end.

P Family	y_BMS-test	/1.1.635-56					-		×
NFO	PARA	CONFIG	STORAGE	Tass	Storage	Change parameters			
Commo	n Config								
Full	Capacity	110630	🗧 mAH	Write	Read	Cell Count 155 (555) ~ Write			
Rema	in_Capacit	26551	🗧 mAH	Write					
Nomi	nal capac:	100000	mAH	Write	Read	Sleep			
PCB	Barcode				Write	Clear			
	SN Code					Read Write			
Adjust	Clear Log	Swich On	dine_Updata	Param1	Param2 Anti	i-theft Batt Code Enable switch			
Main	File Path								
C:\U	sers\l\Deski	top\wjw\BAN∹	HWOO1-B15OLTS	55C-V1.0.	7-24053001.b	bin ^			
						~			
						Total b193668 Total p4190			
1	Load B	in	One	packet 1	ength D	lelay time(800)			
			102	4 ~ b	yte 8	am 🗐 🐨			
2) Star	t 🕘				Upgrade Progress 3 % Clear			
	Stop	E.							
	Doot Ver: :	new	2	start ti	ne: 2024−06−0	Upgrade the 4 F	rame su	iccess	fu
	2		1	End Time		Change D		******	
						Change P	assword	*****	_
atus:	Communicat	tion OK-COM	16, addr≓ E	MS: BAN	V-HW001-B15	0LT55C-V1.0.7 PCB BarCode: tbi24041100006			

5. Confirm that the firmware is being uploaded into the battery by observing the battery LED light up as shown in the below picture



6. Once it is completed, the battery will make a beeping sound and reboot. You should see the SOC indicators. Remove Modbus tool cable and proceed with installation/commissioning process.