Operating Instructions

ADJUSTING HEAT PARAMETERS

Via the software program
modify the charging low temperature protection parameters and the
opening and closing temperature values of the heating film

ADJUSTING HEATED LiFeP04 BATTERY

You will need to use the communication cable included with your battery.
We also include a cold weather, please remove this if needed to access
the battery's communication port.

CCT LFP-51.2V-280Ah

>>PackV: 52.96V
--Im: 0.00A
--Temperature>>
--Cell Voltage>>

When the temperature is below 0 degrees, the battery will not be charged, so the working current shows 0, but at this time the heating film is already working.
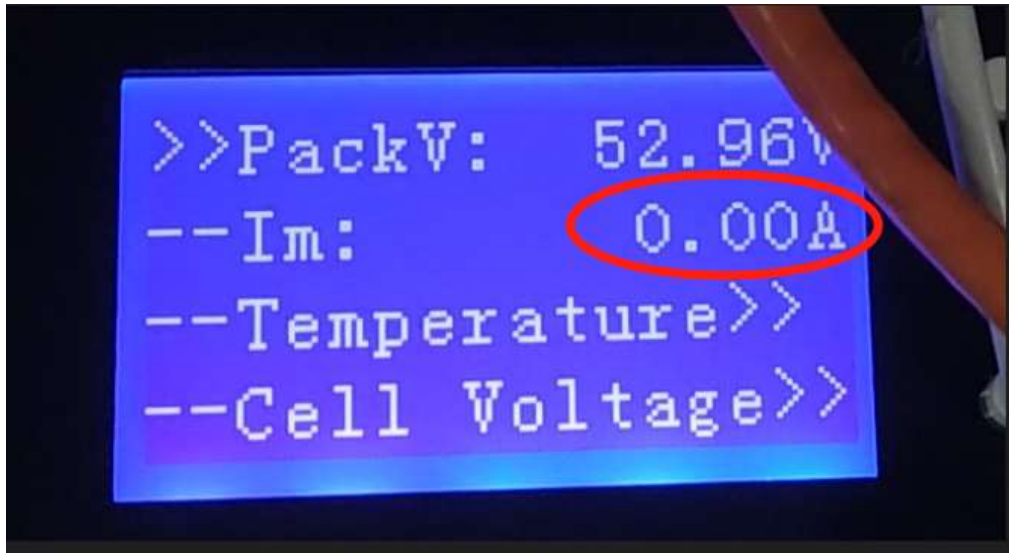
While on the it shows low working current when heating film is working.

Heated Batteries: OEM setting before shipment

Heater is ON: when the temperature is lower than 0°C and there is a charging current.

Heater is OFF: when the temperature is higher than 10°C.

Common Issue: I suspect that the heating elements are not working since we are not seeing any current flowing into the batteries when the chargers are applied.

Answer: No current can be seen flowing into the battery, because the battery temperature is too low at this time, the battery is not being charged, but the heating film is already recharged/activated and working (you may also see the current on the inverter, is about 2-3A)

CCT LFP-51.2V-280Ah- Questions need to know

1. What is the state of the battery now? Has it been turned off?

2. How to charge the battery: Mains power? PV? other? Or Mains + Photovoltaic

3. Battery usage time period: For example, discharge at night and rely on photovoltaic charging during the day? Or will it be used on and off throughout the day? As well as the power of the load, the power of the photovoltaic, whether it is judged whether the electricity generated by the photovoltaic is enough? Is it enough for the load, and can the excess electricity fully charge the battery?

4. Is the battery indoors or outdoors? The local temperature situation, the temperature in winter?
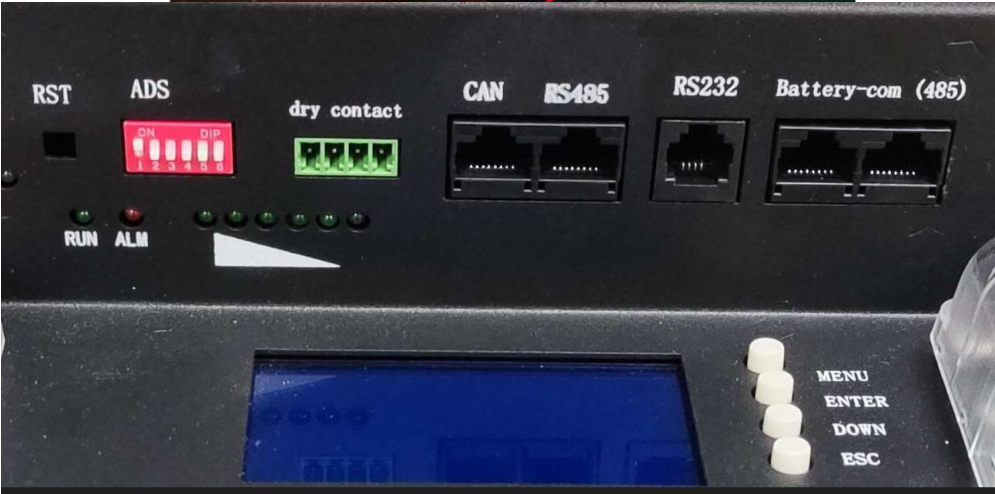
Step 01: Connect the laptop with the battery pack by the RS485 communication cable.

Connecting a laptop

USB port of the cable
is connected to laptop
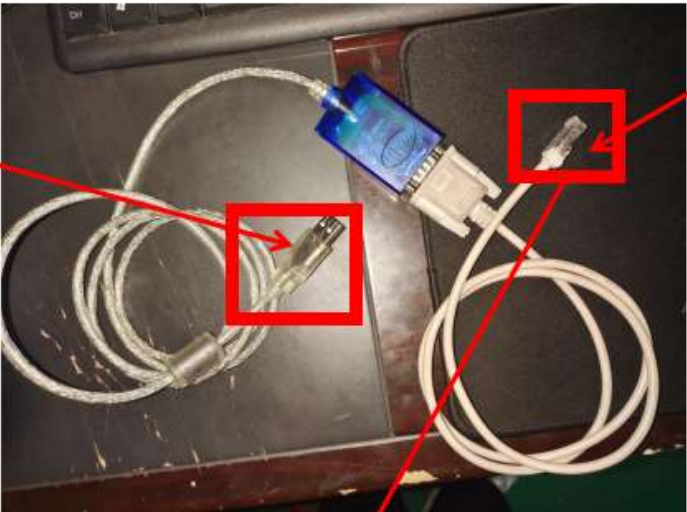
Connecting the battery pack
RS485 Port

RJ45 port is connected to
RS485 port of battery

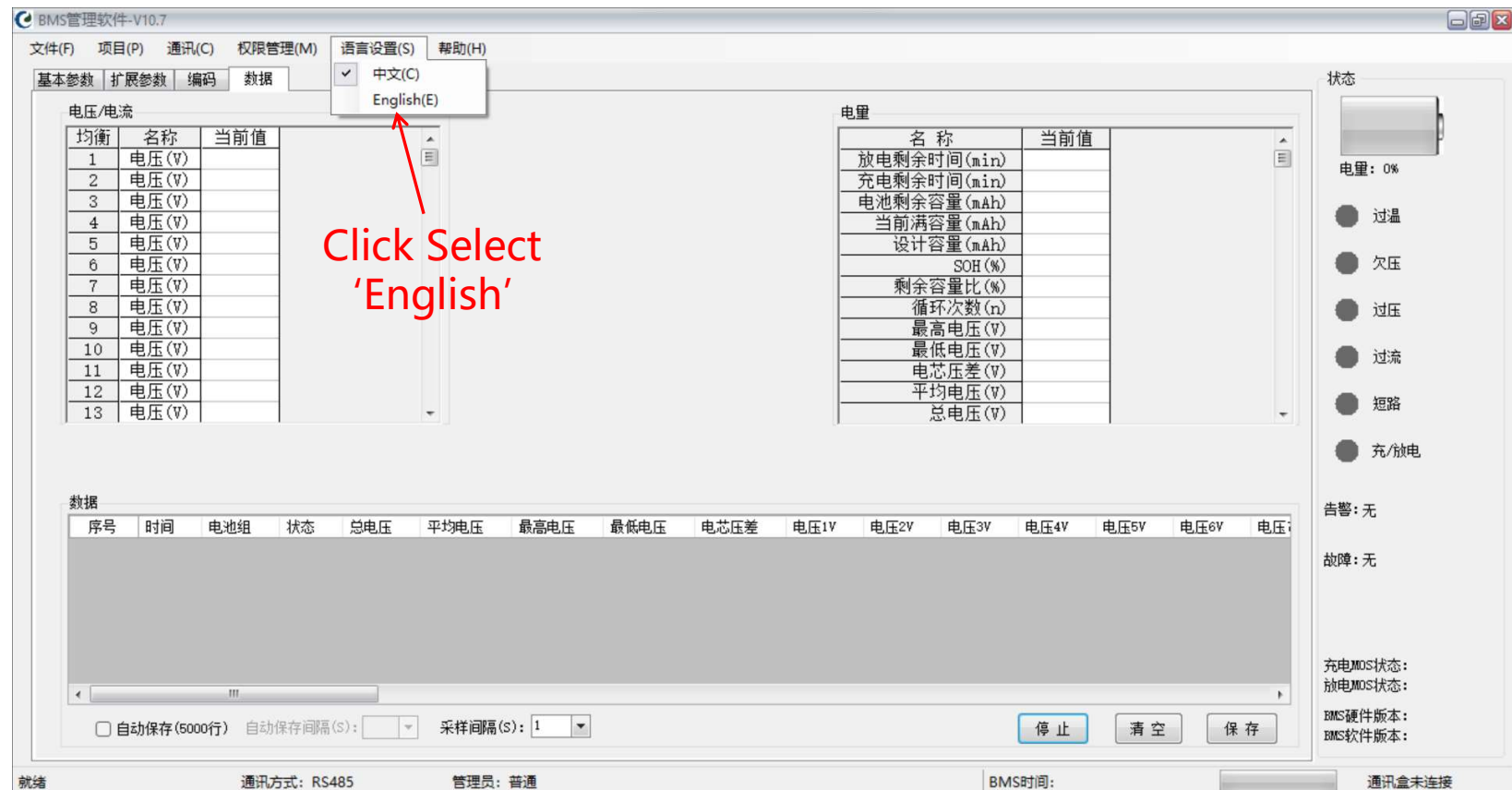# Step 02: Connect the battery and laptop, click the program and get into the below interface

BMS-V10.7-安
装包-2022.6.11

Download the
program

Click and get into
the program

BMS-V10.7

BMS管理软件-V10.7

文件(F) 项目(P) 通讯(C) 权限管理(M) 语言设置(S) 帮助(H)

基本参数 扩展参数 编码 数据

✓ 中文(C)

English(E)

电压/电流

均衡	名称	当前值
1	电压(V)	
2	电压(V)	
3	电压(V)	
4	电压(V)	
5	电压(V)	
6	电压(V)	
7	电压(V)	
8	电压(V)	
9	电压(V)	
10	电压(V)	
11	电压(V)	
12	电压(V)	
13	电压(V)	

Click Select 'English'

电量

名　称	当前值
放电剩余时间(min)	
充电剩余时间(min)	
电池剩余容量(mAh)	
当前满容量(mAh)	
设计容量(mAh)	
SOH(%)	
剩余容量比(%)	
循环次数(n)	
最高电压(V)	
最低电压(V)	
电芯压差(V)	
平均电压(V)	
总电压(V)	

状态

电量: 0%

● 过温
● 欠压
● 过压
● 过流
● 短路
● 充/放电

数据

序号	时间	电池组	状态	总电压	平均电压	最高电压	最低电压	电芯压差	电压1V	电压2V	电压3V	电压4V	电压5V	电压6V	电压

□ 自动保存(5000行) 自动保存间隔(S): 采样间隔(S): 1

停 止   清 空   保 存

告警: 无

故障: 无

充电MOS状态:
放电MOS状态:

BMS硬件版本:
BMS软件版本:

就绪   通讯方式: RS485   管理员: 普通   BMS时间: 通讯盒未连接

Step 03: Click the "communication(C)" key and select the communication mode, and then click the project key to select the corresponding serial port.

①

Check RS485

②

Check Comm.Test
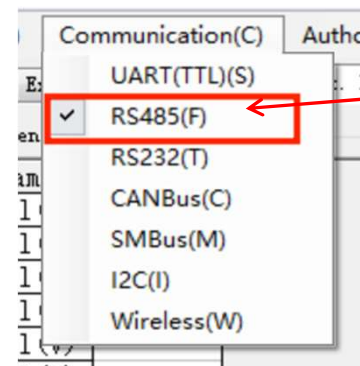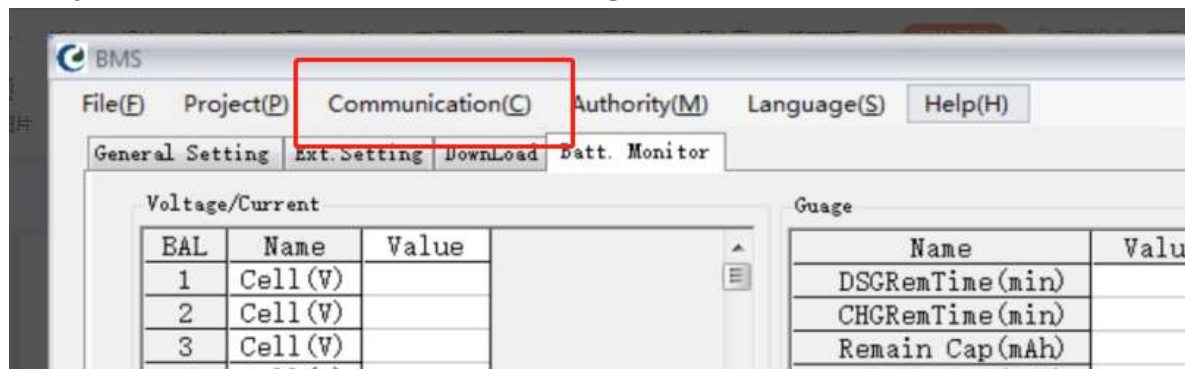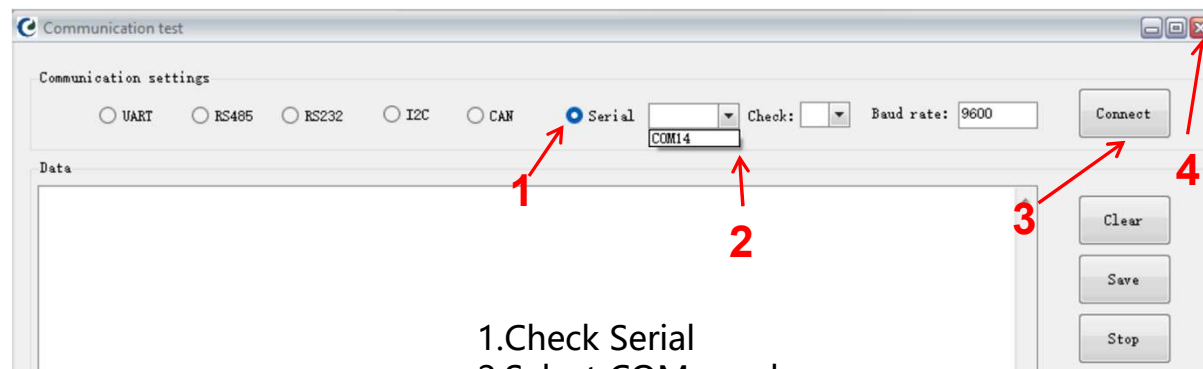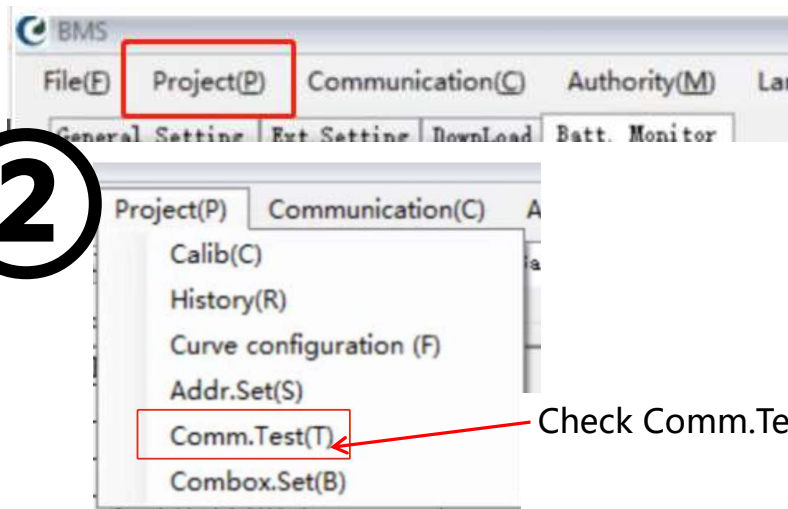
1.Check Serial
2.Select COM number
 （不同电脑，数字可能不一样）
3.Check Connect
4、关闭此窗口

Step 04: After successful connection, return to the data page, the lower right corner shows connected, the page pops up data and the green light is on. Then click the Scan Interval(s) to select 1.

Data appears

Select 1

The green light is on

Show connected

Step 05: Click Ext. Setting and find the heating function in the lower left corner to change the temperature setting. After the change is completed, click the Write button to save the settings.
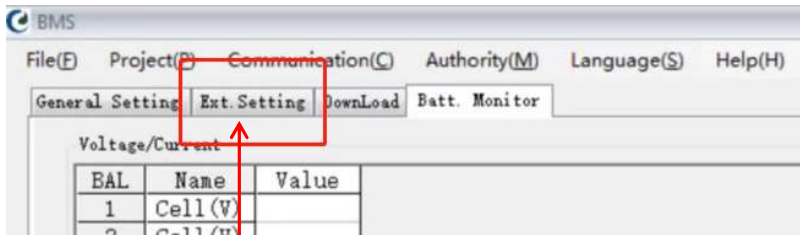
Click Ext.setting to enter the function settings

Change the temperature setting and click the Write button to save the settings.
Set to - 5 ℃ on and 5 ℃ off.

After clicking the Write button, the lower left corner will prompt that the writing is successful
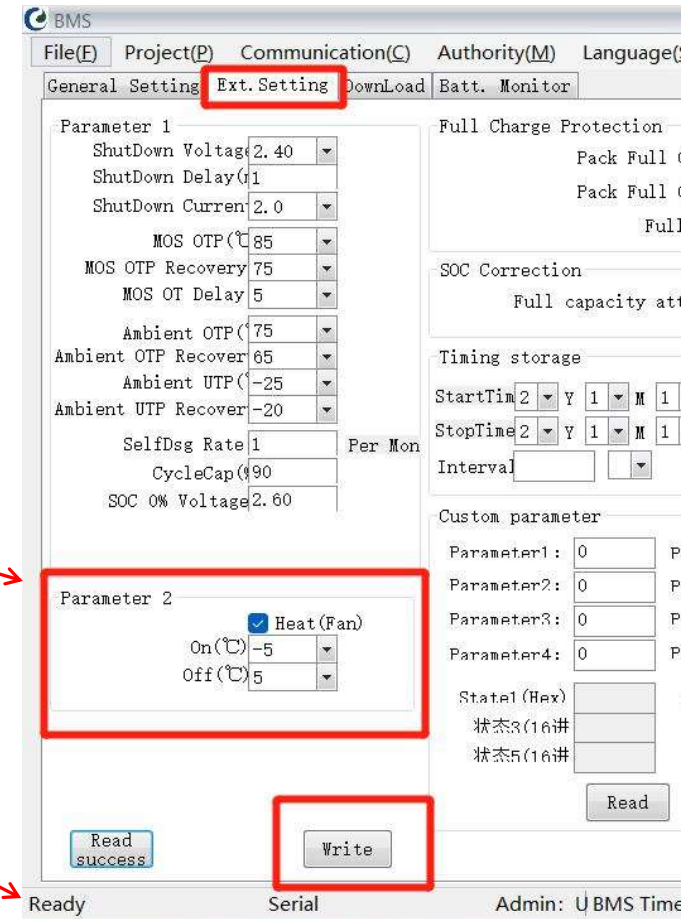
Step 06: the General Setting to enter the parameter setting page. Click the read key at the lower left corner to obtain the battery pack parameters. Then, find the temperature setting parameters, set them to - 5 ℃ for protection and 0 ℃ for recovery and click write key.

Click the read key to obtain the battery pack parameters.

Set them to - 5 ℃ for protection and 0 ℃ for recovery and click write key.

www.SpecializedPowerSystems.com | sales@specializedpower.net