Test method of battery pack: connect the positive and negative electrodes of the battery to the charging and discharge test equipment to test the maximum charging current 50A / discharge current 100A.

1. Battery connection mode:

Position the test products near the test equipment; ensure that the test equipment connecting wires can be connected reliably.

Connection mode: connect the battery product according to the output of the positive and negative electrode, the total positive and negative room is connected with the same length of 25 flat cable, the cable ends of the SC25-8 cable nose, the tail of the cable nose covers the heat shrink tube.

The total voltage acquisition line is connected according to the corresponding requirements of the test equipment.

2. Test process:

1) Use USB to RS-485 debugging tool, connect the battery RJ 45 communication port (7 feet 485B, 8 feet 485A), open the serial port debugging assistant, port rate of 9600, ASCII code receiving mode, send "testtes1" character, enter the battery test mode;

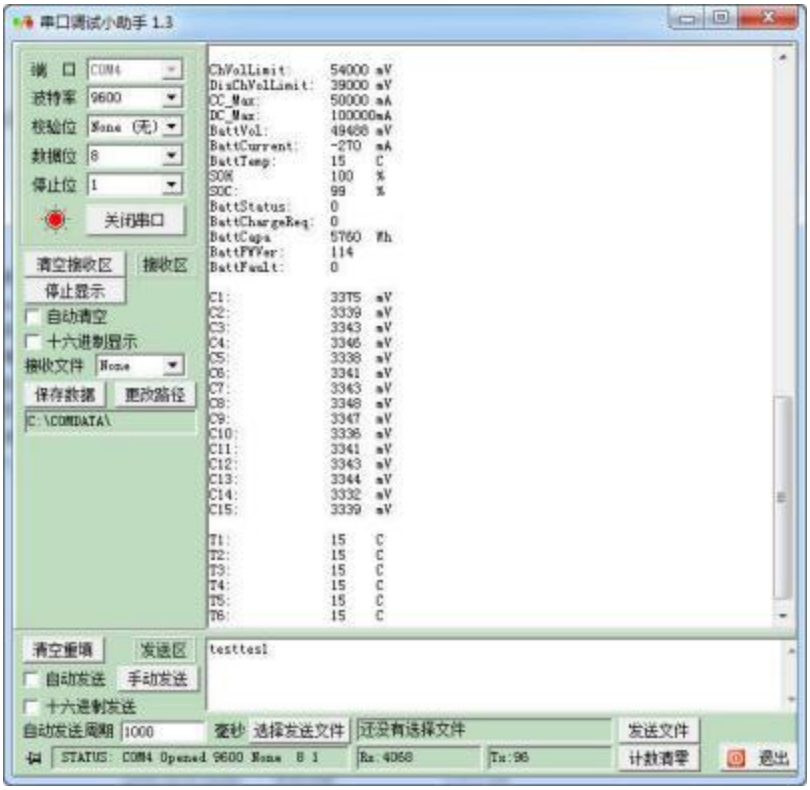
2) During the process of battery charge and discharge, use the serial port debugging assistant to send the "testtes1" character for many times to observe whether the temperature and voltage of the BMS returned to the sampling data is normal;

graph 1

上图为RJ45接头不带卡扣那一面的示意图，各引脚对应的线缆颜色和功能定义如下表所示：

RJ45接头 / 通讯端口	1	2	3	4	5	6	7	8
	橙白	橙	绿白	蓝	蓝白	绿	棕白	棕
PCS端BMS接口	NC	NC	NC	CAN-H	CAN-L	NC	485-B	485-A
PCS端METER接口	NC	NC	485-B	NC	NC	485-A	485-B	485-A
电池端通讯接口	NC	NC	NC	CAN-H	CAN-L	NC	485-B	485-A

graph 2


串口调试小助手 1.3
端 口 COM4
波特率 9600
校验位 None (无)
数据位 8
停止位 1
关闭串口
清空接收区
接收区
停止显示
自动清空
十六进制显示
接收文件 None
保存数据
更改路径
C:\COMDATA\
ChVolLimit: 54000 mV
DisChVolLimit: 39000 mV
CC_Max: 50000 mA
DC_Max: 100000mA
BattVol: 49488 mV
BattCurrent: -270 mA
BattTemp: 15 C
SOH: 100 %
SOC: 99 %
BattStatus: 0
BattChargeReq: 0
BattCapa: 5760 Wh
BattFWVer: 114
BattFault: 0
C1: 3375 mV
C2: 3339 mV
C3: 3343 mV
C4: 3346 mV
C5: 3338 mV
C6: 3341 mV
C7: 3343 mV
C8: 3348 mV
C9: 3347 mV
C10: 3336 mV
C11: 3341 mV
C12: 3343 mV
C13: 3344 mV
C14: 3332 mV
C15: 3339 mV
T1: 15 C
T2: 15 C
T3: 15 C
T4: 15 C
T5: 15 C
T6: 15 C
清空重填
发送区
自动发送
手动发送
十六进制发送
testtest
自动发送周期 1000 毫秒
选择发送文件
还没有选择文件
发送文件
STATUS: COM4 Opened 9600 None 8 1
Rx:4068
Tx:96
计数清零
退出