Home storage upper monitor system software operating manual

Catalogue

1. INTRODUCTION TO SOFTWARE FUNCTIONS	1
2. SOFTWARE RUNNING ENVIRONMENT	1
3. MENU	5
4. OPERATION DECLARATION	5
4.1 PREPARATION WORK	5
4.2 "HOME PAGE" INTERFACE FUNCTION SETTING	6
4.2.1 Language selection	6
4.2.2 Serial port selection	7
4.2.3 Selection of communication parameters	8
4.2.4 Dip code address setting	8
4.2.5 Precautions	
4.3 "MONITORING" INTERFACE FUNCTION SETTING	
4.3.1 Parallel group display operation	
4.3.2 Real-time data storage	15
4.3.3 Multi-pack data monitoring	
4.4 PARAMETERS INTERFACE FUNCTION SETTINGS	
4.4.1 Parameter reading	
4.4.2 Parameter modification (the range of the parameter should be indicated)	20
4.4.3 Parameter export	
4.4.4 Parameter import	
4.4.5 Configure the default parameters of the upper monitor system	
4.4.6 Current-limiting mode	
4.5 "CONFIGURATION" INTERFACE FUNCTION SETTING	25
4.5.1 Modification of the battery capacity	25
4.5.2 Modification of battery strings	
4.5.3 Forced dormancy function of upper monitor system	
4.5.4 Function "Remote control"	
4.5.5 Software upgrade	
4.5.6 Anti-theft Settings	
4.5.7 Write to the battery SN CODE	
4.5.8 Opening and closing of the protection and alarm functions	
4.6 "STORAGE" INTERFACE FUNCTION SETTING	
4.6.1 Read and write for the system time	
4.6.2 Reading of historical data	
4.6.3 Conservation of historical data	42
4.6.4 Interval modification	43
4.6.5 The BMS inverter needs to be selected	
5. PRECAUTIONS FOR USE	

I

1. INTRODUCTION TO SOFTWARE FUNCTIONS

Energy storage communication base station BMS intelligent monitoring management software is Basengreen has developed intelligent software products for energy storage communication base station BMS, users can use Basengreen energy storage communication base station BMS intelligent monitoring management software for field data acquisition, parameter calibration operation, real-time acquisition BMS data, data storage, read historical data, parameter modification, etc.

Before enabling the software for monitoring, open the communication interface of the corresponding device, and set the PACK address ready to read the data.

The software can read and configure system parameters, read real-time BMS real-time data, parallel multi-machine monitoring, data storage and historical data reading and clearing functions.

NFO	PARAL	CONFIG	STORAGE Tass S	Storage			
SinglePa	ck MultiH	acks Reco	ord Parallel group	display F	arallel p	acket data storage	
Caption	Value	Unit	Caption	Value	Unit	MOS charge-discharge state	Normal Status
1	3, 293	v	Cycles	1	#	CHC MOS ON 🦱 Die MOS ON 🦳 Charging 🔵	SOH:100.00%
2	3 295	v	Full Bat Can	280.00	éh		
3	3 293	Y	Remain Bat Can	140.00	4h	CHG MOS OFF Dis MOS OFF Discharge	Alarmcode:
4	3 293	v	Remain CH4 Time	-	h		00:00:00:00:00:00:00:00
5	3 202	v	Remain_Cin_Time		h	ALC	SOC:50.00%
6	2 204	v	TEND1	27	97	Other:	
7	0.204	U U		21	5		
0	0.294	U U	TEMP2	21	5 97	Heat State Fan State Gap waite	
0	0.290	V TT	TEMPS	21	97 197		
9	3.293	V TT	IEMP4	21		Protection Status:	
10	3.294	V 	MUS_lemp	20	C S		SN:BASEN-TEST1
11	3.294	Y	Ambient_Temp	30	C	C	
12	3.291	V	Current	0.00	A		
13	3.295	V	SOH	100.00%	#		
14	3.293	V				0	
15	3.293	V					
16	3.294	V				Marm Status:	
V_SUM	52.69	V				Alarm Status.	
V_AVG	3.293	V				~	Communication OK
V_MAX	3.295	V					
V_MIN	3.291	¥					No Current
V_DIFF	0.004	V				~	Current_Limiter_Dis
_ Max Vo	olt 🗌 🕅	in Volt	Cell Balance	S/R_Stat	us: 1510/1	1498 (语言/Language) <mark>English 、</mark>	
Ope	n COM	i ~	DIP_Addr 1 ~	$\begin{smallmatrix}1&0&0\\1&2&3\end{smallmatrix}$	000 456		
BaudF	Kate 19000	×	Pack_Coun 1 🗸	🗌 Par	allel poll		

2. SOFTWARE RUNNING ENVIRONMENT

The operating environment of the software is Windows, which cannot run under Android and Apple

1

IOS systems.

1. Windows XP :Windows XP: The system is intended to have the .NET 2.0 environment installed (you can contact Basengreen technicians for installation environment files) before running the upper monitor system software. (The .net2.0 is 22M).

2. Windows 7 : The system comes with the .net3.0 operating environment and can directly use the upper monitor system software.

3. Windows 10 and Windows 11 systems are intended to have the .NET 3.5 environment installed before running the upper monitor system software. (. Net 3.5 The installation environment is 80M) There are two ways to obtain the installation environment files, one can contact Basengreen technicians , another way is to enable the system's own .net runtime environment.

Taking Windows 11 system as an example, the steps to enable the system's built-in .net runtime environment are as follows:

(1) Search for the "Control Panel" in the start menu of the Win 11 system, open the "Control panel" in the search, and select the "Programs" option inside.



2

(2) In the "Programs and Features" window, click the "Turn Windows features on or off " option.



(3) After entering, check all. For the net service file, click on the "OK" button.

Windows Features	9 <u></u>		×
Turn Windows features on or off			?
To turn a feature on, select its check box. To turn a feature off, clear its check box. A fi part of the feature is turned on.	lled box m	eans that	only
 NET Framework 3.5 (includes .NET 2.0 and 3.0) Windows Communication Foundation HTTP Activation Windows Communication Foundation Non-HTTP Activation NET Framework 4.8 Advanced Services ASP.NET 4.8 WCF Services 			^
 Active Directory Lightweight Directory Services Containers Data Center Bridging Device Lockdown Guarded Host Hyper-V Internet Explorer 11 Internet Information Services Internet Information Services Hostable Web Core Legacy Components Media Features 			-
	OK	Can	cel

-1 - 3

(4) Wait for the Win 11 system to automatically install and update, and then restart the computer.





3. MENU



4. OPERATION DECLARATION

The software is a clear and simple, with real-time monitoring, real-time data storage, management strategy, system Settings, historical data reading and other functions. In addition, multiple PACKS connection can be connected in parallel for data reading and storage.

4.1 Preparation work

Preliminary required before opening the upper monitor system to communicate with the BMS:

- (1) Prepare a serial port converter from USB to RS485 / RS232;
- (2) Install the corresponding USB serial port driver on the computer;

(3) Prepare communication line according to the definition of communication line in the specification.

4.2 "Home page" interface function setting

4.2.1 Language selection

The computer software can choose the language of "Chinese" or "English", the specific operation is shown in the figure1 and 2.

(Figure1: Upon entering the page, the Chinese interface shown below will be displayed.)

监控	参数	配置	存储 大容量	存储			
单组显示	多组显示	显示记录	并机分组显示 并	机分组数据存1	储		
名称 1 2 3 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 电压压电压 电压电压电压	> A1123 ÿ(İn) 3.292 3.293 3.293 3.293 3.293 3.293 3.293 3.293 3.293 3.293 3.293 3.293 3.293 3.294 3.294 3.294 3.294 3.294 3.294 3.294 3.294 3.293 3.294 3.293 3.294 3.294 3.293 3.294	单位 单位 V V V V V V V V V V V V V V V V V	名称 循环次数	bt// Sinkapper 3% (1) 1 280.00 151.20 - 28 28 28 28 28 28 28 26 27 0.00 100.00%	# 単位 # Ah Ah h b じ じ じ し こ よ #	NOS与充放电状态 普通状态: 充电MoS导通 充电状态 充电MoS导通 放电数oS关断 放电数oS关断 放电状态 其他: 00:00:00:00:00:00:00:00:00:00 加热状态 风扇状态 保护状态: Implify he等待 子書響状态: Implify he等待 古響状态: Implify he等待 Implify he等待 Implify he等待 方 Implify he等待 Implify he Implify he Implify he Implify he	
家 大生 关闭非 波特4	9000 Com5 2 9600] 単体匀衡 拨码地址 1 ~ Pack数量 1 ~	S/R_Status 1 0 0 0 1 2 3 4 □ M0Ħ	·: 37/37 0 0 5 6 机轮询	● 限流不使能 (语言/Language) 简称印第一 「简称印文 English	

(Figure2: After changing the language to English, the English interface shown below will be displayed.)

NFO PA	ARAI	CONFIG	STORAGE Tass	Storage			
SinglePack	MultiP	acks Rec	ord Parallel group	display	Parallel :	packet data storage	
Caption	Value	Unit	Caption	Value	Unit	MOS charge-discharge state	Normal Status SOH:100.00%
1	3.293	v	Cycles	1 00 000	ff	CHG_MOS ON 🔵 Dis_MOS ON 🔵 Charging 🖤	1000 0000 0000
2	0.294	U TT	Full_Bat_Cap	280.00	An	and not opp	AlarmCode:
3	3.292	V	Kemain_Bat_Cap	140.00	Ah	CHG_MOS OFF US DIS_MOS OFF US DISCHARGE	00:00:00:00:00:00:00:00:00:00:00:00:00:
4	3.293	V	Kemain_CHA_Time		h		SOC . 50 00%
5	3.291	v	Kemain_Dis_Time		h	Other:	300.00%
6	3, 295	V	TEMP1	27	U		
7	3.294	V	TEMP2	27	Ľ.	Heat State Fan State Gap waite 🖤	
8	3.293	A	TEMP3	27	C		
9	3.292	v	TEMP4	27	C	Protection Status	
10	3.294	v	MOS_Temp	26	C	Flotection Status.	CN.DACEN TECTI
11	3.293	V	Ambient_Temp	30	C	~	SN.BASEN-IESII
12	3.290	V	Current	0.00	A		
13	3.294	V	SOH	100.00%	#		
14	3.293	V					
15	3.293	V				×	
16	3.293	V					
V SUM	52.68	v				Alarm Status:	
V AVG	3.293	V				~	Communication OK
V MAX	3.295	v					
V MTN	3, 290	v					No Current
V DIFF	0.005	v					1000 C 1000 C 1000 C
							Current_Limiter_Disa
						-	-
Max Volt	- M	in Volt	Cell Balance	S/R_Sta	tus: 1563,	/1551 (语言/Language) English ~	
Open	Сом5	~	DIP_Addr 1 ~	100 123	000456		
PoudPot	9600		Pack Coun 1				

4.2.2 Serial port selection

After the BMS connection is successful, a new serial port will be added. Select a new serial port. The specific operation is as shown in the figure. For the serial port, you can check on your computer setting.

NFO	PARAL	CONFIG	STORAGE Tass S	Storage			
SinglePac	k MultiP	acks Reco	ord Parallel group	display F	arallel p	acket data storage	
Caption	Value	Unit	Caption	Value	Unit	MOS charge-discharge state	Normal Status
1 caption	2 202	UTT C	Caption	varue		ana maa an 🦱 a ti maa an 🦱 Chanaina 🔴	SOH:100.00%
1	3.293	U U	Cycles	290,00	**	CHG_MOS ON 🔵 Dis_MOS ON 🔵 Charging 🔵	
2	3.294		Pull_Bat_Cap	140.00	An	gue mos opp	AlarmCode:
3	3.293		Remain_Bat_Cap	140.00	An	CHG_MOS OFF	0:00:00:00:00:00:00:00:00:00
4	3.294	V	Remain_CHA_lime		n		SOC • 50, 00%
0	3. 292	v	Kemain_Dis_lime	- 07	n 97	Other:	
0	3.295	V	TEMPI	27	U		
6	3.294	V	TEMP2	27	C	Heat State Fan State Gap waite	
ð	3.293	V	TEMP3	27	U S		
9	3.291	V	TEMP4	27	C	Protection Status:	
10	3.294	V	MOS_Temp	26	C		SN:BASEN-TEST1
11	3.295	V	Ambient_Temp	30	C	~	
12	3.291	V	Current	0.00	A		
13	3.294	A	SOH	100.00%	#		
14	3.293	A				~	
15	3.293	V					
16	3.294	V				Alora Status.	
V_SUM	52.69	V				Alarm Status.	
V_AVG	3.293	V				^	Communication OK
V_MAX	3.295	V					
V_MIN	3.291	V					No Current
V_DIFF	0.004	٧					Current_Limiter_Disa
CON	V selecti	on					
Max Vo			Cell Balance	S/R_Stat	us: 1751/: 0 0 0 4 5 6	739 (语言/Language) English ~	
Baudk	ale 0000	-	rack_count	∐ Par:	allel poll		

7

4.2.3 Selection of communication parameters

The selection of communication parameters includes the selection of Baud rate, data bit, stop bit, parity, and wave rate according to the requirements of the specification. The specific operation is shown in figure.

NFO P	ARA	CONFIG	STORAGE Tass	Storage			
inglePack	MultiF	acks Rec	ord Parallel grou	p display H	arallel	packet data storage	
Caption	Value	Unit	Caption	Value	Unit	-MOS charge-discharge state	Normal Status
1	3, 293	v	Cycles	1	#	CHC MOS ON 🦲 Die MOS ON 🦲 Charging 🛑	SOH:100.00%
2	3, 295	V	Full Bat Can	280.00	Ab		A1
3	3 292	Y	Remain Bat Can	140.00	Ab	CHG MOS OFF Dis MOS OFF Discharge	Alarmcode:
4	3 292	v	Remain CHA Time	-	h		00:00:00:00:00:00:00:00
5	3 293	v	Remain Dis Time		h		SOC:50.00%
3	3 295	v	TEMP1	27		Other:	-
7	3 293	v	TEMD?	27	ř	Unit State True State Con muite	
- 0	3 293	v	TEMDS	27	3	heat state Fan state Gap warte	
0	3.200		TENDA	21	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		- · · ·
9	3.293		IEMP4	21	ŝ	Protection Status:	10 A A A A A A A A A A A A A A A A A A A
10	3.294		mOS_lemp	20			SN:BASEN-TEST1
10	3. 293	v	Ambient_lemp	30	U.	· · · · · · · · · · · · · · · · · · ·	
14	3. 291	v	Current	0.00	A		
13	3.293	v	SOH	100.00%	#		
14	3.293	V					
15	3.294	v					
16	3.295	v				Alarm Status:	
V_SUM	52.69	v				Alaim Status.	
V_AVG	3.293	v				^	Communication OK
V_MAX	3.295	v					n n
V_MIN	3.291	v					No Current
V_DIFF	0.004	V					Current_Limiter_Di
Max Vol	1 🗌 M	in Volt	Cell Balance	S/R_Stat	us: 1937,	1925 (语言/Language) English ~	
Open	COME	· ~	DIP_Addr 1 ~	100	000		
BaudRa	te 9600	~	Pack_Coun 1 \sim		allel nol	1	

4.2.4 Dip code address setting

Code address 1 is defined as

(black point is OFF state, blank is ON state, the same

below), address 2 , other addresses and so on. It should be noted that the dip address on the BMS should be consistent with the dial address of the upper machine. Since there are many kinds of BMS boards in our company, please refer to the corresponding BMS specification.

ON

address		Dial swit	ch position		Example of
					in-kind dial
Battery#	#1	#2	#3	#4	
1	ON	OFF	OFF	OFF	ON L3
2	OFF	ON	OFF	OFF	ON L3 1 2 3 4

3	ON	ON	OFF	OFF	ON LE 1 2 3 4
4	OFF	OFF	ON	OFF	ON LE 1 2 3 4
5	ON	OFF	ON	OFF	ON LE 1 2 3 4
6	OFF	ON	ON	OFF	ON LE 1 2 3 4
7	ON	ON	ON	OFF	ON LE
8	OFF	OFF	OFF	ON	ON LE 1 2 3 4
9	ON	OFF	OFF	ON	ON LE 1 2 3 4
10	OFF	ON	OFF	ON	ON LE 1 2 3 4
11	ON	ON	OFF	ON	ON LE 1 2 3 4
12	OFF	OFF	ON	ON	ON LE 1 2 3 4
13	ON	OFF	ON	ON	ON LE 1 2 3 4
14	OFF	ON	ON	ON	ON L3 1 2 3 4
15	ON	ON	ON	ON	ON L3



4.2.5 Precautions

If the communication fails, the following aspects:

① Pay attention to the definition of communication line in the specification and check whether the communication line is correct;

② Check whether the selection of the Baud rate is consistent with the requirements of the specification;

③ Confirm the battery pack address before using the software, and select the corresponding address on the software for monitoring;

(4) Check whether the communication serial port line can be used normally;

(5) Generally, computers with a USB serial port driver should self-identify; if not, install the corresponding USB serial port driver;

(6) The running platform of this software is .net, if the computer operating system is Windows XP or lower system, install .net environment first, the minimum version is .net2.0 or above. Windows 7 system comes with a built-in .net environment, and the Windows 10 and Windows 11 systems need to install the .net3.5 operating environment.

10

-1 - 10

4.3 "MONITORING" INTERFACE FUNCTION SETTING

Select the corresponding serial port, click to start monitoring, and read the real-time data information of the BMS. The information includes voltage, temperature, switching status, alarm status, protection status, fault status, etc., as shown in the figure below.

INFO SinglePag		CONFIG	STORAGE Tass	Storage	The	red one represents the maximum voltage	of single cell
Caption 1 2 3 4 5 6 7 8 9	* Multi Value 3.293 3.295 3.292 3.294 3.292 3.294 3.295 3.294 3.293 3.293 3.293 3.293	Packs Rec Unit V V V V V V V V V V V	ord Parallel group Caption Cyples Full_Bat_Cap Remain_Bat_Cap Remain_CHA_Time Remain_Dis_Time TEMP1 TEMP2 TEMP3 TEMP4 W0S Tear	dis ay P Value 1 280.00 142.80 - 27 27 27 27 27 27 27 27 26	arallel) Unit # Ah Ah h C C C C C	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:100.00% AlarmCode: 00:00:00:00:00:00:00:00:0 SoC:51.00%
10 11 12 13 14 15 16 V_SUM V_AVG V_MAX V_MIN V_DIFF	3. 294 3. 294 3. 291 3. 293 3. 293 3. 293 3. 294 52. 69 3. 293 3. 295 3. 291 0. 004	V V V V V V V V V V V V V	MUS_lemp Ambient_Temp Current SOH The gree the minimum	30 0.00 100.00%	C ℃ ▲ # epreser	Alarm Status:	SN:BASEN-TEST1 Communication OK No Current Current_Limiter_Disa
Max Vo Open BaudR	ate 9600	in Volt. 5 ~) ~	Cell Balance DIP_Addr 1 ~ Pack_Coun 1 ~	ge of sin S/R_Statu 1 0 0 0 1 2 3 -	gle cel 115: 2902/ 0 0 0 4 5 6 allel pol	I discplay 2890 (语言/Language) English ~	

4.3.1 Parallel group display operation

In the parallel state, open the "INFO" page and select the "parallel group display". The specific operation is shown in the figure.

inglePack M	A L CONFI (11tiPacks Re	G STORA	GE Iass Stora allel group displ	a ge ay Paralle	el packet d	ata storage
0 Atervals 4000 Pack Volt 5 Remain_Ca 14	0 ∲ 2.69 V Pa 40.00 Ah F	ck Curr	Read 0.00 A SOC 280.00 Ah C	Count: 19 50 % S	30H 100 %	Address 1 V CAN type Pylon V Read Set Now address: 1 485 type Pylon V Read Set The real-time data is read successful, the number of Bi CHG MDS On DISG MDS On Charge Disch Battery system
		TT 1.				Volt 52.69 V Total_Cap 280 Ah SOC 50 %
aption	Value	Unit				
lax_Vol	3.295	02			50 %	Curr O A Remain_Cap 140 Ah
Ain_Vol	3.292	05		- VI-	00 /0	
/ol_Ditt	0.003	V				Max Cell V 3295 mV Max Batt T 27.0 °C Max Amb T 27.0
V-1 01	3 293	v	Caption	Value	Unit.	
Vol 01 Vol 02	3, 295	v	Amb Temp	27.0	97	Min_Cell_V 3292 mV Min_Batt_T 27.0 °C Min_Amb_T 27.0
Vol 03	3, 293	v	MOS Temp	25.0	ř	
Vol 00	3 294	v		20.0	C	
Vol 01	3, 292	Y	May Temp	27.0	01	Charge Discharge Volt high alarm Volt low alarm
Vol 06	3, 294	v	Min Temp	27.0	01	Allerm
Vol 07	3, 293	v	Temp Diff	0.0	Ϋ́́	
Vol 08	3, 293	v	Towb Pitt		0	
Vol 09	3, 293	v	Temp 01	27.0	'n	
Vol 10	3, 294	v	Temp 02	27.0	ř	Protect
11 1 11	3, 295	v	Temp 03	27.0	ř	
VO1 11	3, 292	v	Temp 04	27.0	ř	
Vol 11 Vol 12	9,905	v		21.0	0	-
Vol 11 Vol 12 Vol 13	a. 220	*				Fault
Vol 11 Vol 12 Vol 13 Vol 14	3, 293	Π Y				
Vol 11 Vol 12 Vol 13 Vol 14 Vol 15	3. 293	V				
Vol 11 Vol 12 Vol 13 Vol 14 Vol 15 Vol 16	3. 293 3. 293 3. 294 3. 294	V V V				

(1) Single group of information viewing

When the communication is normal, opening the "INFO" can observe the "Single Pack" interface, and the data information of each BMS will be displayed in turn. Taking two groups as an example, the "Single Pack" interface will display the following information in turn.

FO PAR nglePack N aption N C C C C C C C C C C C C C C C C C C C	RAI CC MultiPack Value 3.293 3.295 3.292 3.292 3.294 3.292 3.295 3.294 3.295 3.294 3.295 3.294 3.295 3.294 3.295 3.294 3.295 3.294 3.294 3.293	ONFIG ks Reco Unit V V V V V	STORAGE I and Parallel Caption Cycles Full_Bat_Cap Remain_Bat_	ass St group d	isplay F Value	'arallel p Unit	MOS charge-discharge state
nglePack N aption 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	MultiPack Value 3.293 3.295 3.292 3.294 3.292 3.294 3.295 3.294 3.293	ks Reco Unit V V V V	Caption Cycles Full_Bat_Ca Remain_Bat_	group d	isplay F Value 1	Parallel p Unit	MOS charge-discharge state
aption 1	Value 3. 293 3. 295 3. 292 3. 294 3. 292 3. 295 3. 294 3. 293	Unit V V V V	Caption Cycles Full_Bat_Ca Remain_Bat_1	B	Value	Unit	MOS charge-discharge state Normal Status
	3. 293 3. 295 3. 292 3. 294 3. 292 3. 294 3. 295 3. 295 3. 294 3. 293	A A A A A	Cycles Full_Bat_Ca Remain_Bat_	D	1	UILL	
	3. 295 3. 292 3. 294 3. 295 3. 295 3. 294 3. 295 3. 294	V V V	Full_Bat_Ca Remain_Bat_	р	200 00	11	Charging SOH: 100.00%
	3. 292 3. 294 3. 292 3. 295 3. 295 3. 294 3. 293	V V V	Remain_Bat_	CD	280.UU	Ah	CHG_MUS UN 😈 DIS_MUS UN 🥣 Understrie 🚽
	3. 294 3. 292 3. 295 3. 295 3. 294 3. 293	V		Can	142.80	Ah	CHG MOS OFF Dis MOS OFF Discharge
	3. 292 3. 295 3. 294 3. 293	V	Remain CHA	Time	-	h	
0 3 0 3 1 3 2 3	3. 295 3. 294 3. 293		Remain Dis	Time	-	h	Other: SOC:51.00%
0 3 1 3 2 3	3.294 3.293	V	TEMP1		27	ĉ	Other:
0 3 1 3 2 3	3.293	V	TEMP2		27	č	Heat State
0 3 1 3 2 3		V	TEMP3		27	č	
0 3 1 3 2 3	3.293	V	TEMP4		27	Ĉ	
1 : 2 :	3.294	V	MOS_Temp		26	Ĉ	Protection Status:
2 3	3.294	V	Ambient_Tem	Ф	30	C	SN:BASEN-TEST1
	3.291	V	Current		0.00	A	
3 7	3.294	V	SOH		100.00%	#	
4 3	3.293	V					
5 8	3.293	V					M
6 3	3.294	V					
_SUM 5	52.69	V					Alarm Status:
AVG 3	3.293	V					Communication OK
MAX 3	3.295	¥					
MIN 3	3.291	¥					No Current
DIFF (0.004	V					Current Linitar D
		1910					Current_Limiter_D:
Nov. Volt	- Min	Volt.	Coll Balan		c /p Stat	2902/	
III CA		AOT .	_ voir tart		Still Star	us: 2002,	
					100	~ ~ ~	
Open	Lateration 1			~	100	000	
	COW2	\sim	DIP_Addr 1		1 2 2	- L G	
200 <u>20</u> 0 - 20 <u>220</u> 0		~	DIP_Addr 1		123	456	
BaudRate	9600	~	DIP_Addr 1 Pack_Coun 1	~	123	456 allel poli	u
BaudRate	9600	~	DIP_Addr 1 Pack_Coun 1	~	123	4 5 6 allel pol: 	
BaudRate us: Commun	9600 nication		DIP_Addr 1 Pack_Coun 1 5, addr=: BMS:		1 2 3	4 5 6 allel pol: <u>T55-V1.0.</u> ;	11
BaudRate tus: Commun	9600		DIP_Addr 1 Pack_Coun 1 5. addr= BMS:		123	4 5 6 allel pol: <u>T55-V1.0.</u>	11 3 PCB BarCode: TBI23090400189
BaudRate tus: Commun	9600 9600 (1.1.635-37-	-24	DIP_Addr 1 Pack_Coun 1 5, addr=: BMS:		123 Par: 03-B200L	4 5 6 allel pol: T55-V1.0.;	11
BaudRate	9600 nication /1.1.635-37-	~ ~ 	DIP_Addr 1 Pack_Coun 1 5. addr= BMS:	HY-PTO	123 Par: 03-B200L	4 5 6 allel pol: <u>T55-V1.0.;</u>	11
BaudRate us: Commur [:] amily_BMS-V [*] 0 PARAJ	0600 0600 01.1.635-37- 0 0000 0	-24 1G STC	DIP_Addr 1 Pack_Coun 1 5. addr= BMS:)RAGE Mass S	HY-PTO	123 □ Par 03-B2001	4 5 6 allel pol. T55-V1.0.:	11
BaudRate tus: Commun family_BMS-V O PARA glePack Mul	<pre>COM5 9600 mication v1.1.635-37- CONF iltiPacks</pre>	-24 Record	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group	HY-PTO	1 2 3	4 5 6 allel pol. T55-V1.O.: packet dat	11
BaudRate tus: Commun Family_BMS-V TO PARAN glePack Mul	COM5 9600 10 11.635-37- CONF 11tiPacks -100 Uni	-24 FIG STO Record Cont	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group	HY-PTO Storage display	1 2 3 Par 03-B200L Parallel	4 5 6 allel pol. T55-V1.0.: packet dat	11
BaudRate <u>tus: Commun</u> Family_BMS-V O PARAI glePack Mul ption Val	villiPacks alue Uni	-24 FIG STO Record it Ca	DIP_Addr 1 Pack_Coun 1 5. addr= BMS; DRAGE Mass S Parallel group ption	HY-PTO Storage display Value	1 2 3 Par 03-B200L Parallel Unit #	4 5 6 allel pol T55-V1.0.: packet dat	11
BaudRate tus: Commun Family_BMS-V f0 PARAI uglePack Mul uption Va. 3.3	v1.1.635-37- LiPacks alue Uni 2934 V	-24 FIG STC Record it Ca FIG Cy	DIP_Addr 1 Pack_Coum 1 5. addr= BMS: DRAGE Mass S Parallel group ption cles	; HY-PTO Storage display Value 1 280.00	123 Par 03-B200L Parallel Unit #h	4 5 6 allel pol T55-V1.0.: packet dat MOS cha CHG_MOS	11
BaudRate tus: Commun Family_BMS-V TO PARA IglePack Mul uption Val 3.3 3.3 3.3	COM5 9600 mication v1.1.635-37- ItiPacks alue Uni .293 V .293 V .294 V .292 V	-24 FIG STC Record it Ca Fu Fu	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group ption cles 11_Bat_Cap	thy-PTO Storage display Value 1 280.00 151.20	123 Par 03-B2001 Parallel Unit # Ah	4 5 6 allel pol T55-V1.0.: packet dat 	11 3 PCB BarCode: TBI23090400189 - ta storage ta storage source state S ON Dis_MOS ON Charging Sol:100.00% AlarmCode:
BaudRate tus: Commun Family_BMS-V 70 PARA uglePack Mul uption Va. 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.	COM5 9600 nication v1.1.635-37- AL CONF alue Uni .293 V .294 V .294 V .294 V .294 V	-24 FIG STC Record it Ca f Gy Fu Rec	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group ption cles 11_Bat_Cap main_Bat_Cap main_Bat_Cap	thy-pro	1 2 3 Par 03-B200L Parallel Unit # Ah Ah h	4 5 6 allel pol T55-V1.0.: packet dat MOS cha CHG_MOS CHG_MOS	11
BaudRate tus: Commun Family_BMS-V 70 PARAJ glePack Mul uption Vai 3.3 3.3 3.3 3.3 3.3 3.3 3.3	COM5 9600 mication v11.635-37- AL CONF alue Uni .293 V .294 V .292 V .294 V .292 V .294 V .292 V	-24 -24 FIG STC Record it Ca ' Cy ' Fu ' Re Re ' Re	DIP_Addr 1 Pack_Coun 1 5. addr= BMS; DRAGE Mass S Parallel group option coles ll_Bat_Cap main_Bat_Cap main_CHA_Time main Dis Time	torage display Value 1 280.00 151.20	1 2 3 Par 03-B200L Parallel Unit # Ah Ah h	4 5 6 allel pol T55-V1.0.: packet dat MOS cha CHG_MOS CHG_MOS	11
BaudRate	COM5 9600 mication v1.1.635-37- AL CONF alue Uni .293 V .293 V .294 V .292 V .294 V .292 V .294 V .292 V .292 V .292 V	-24 FIG STC Record it Ca r Cy r Fu r Re. r Re. r Re. r Re. r Re.	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRACE Mass S Parallel group option cles 11_Bat_Cap main_Bat_Cap main_Dis_Time MP1	Storage display Value 1 280.00 151.20 - - 28	1 2 3 Parallel Unit Ah Ah C	4 5 6 allel pol T55-V1.0.: packet dat MOS cha CHG_MOS CHG_MOS Other:	11
BaudRate tus: Commun Family_BMS-V FO PARA aglePack Mul aption Va 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1	CONTS 9600 mication v1.1.635-37- V1.2.94 V1	-24 FIG STC Record it Ca ' Fu ' Re: ' Re: ' Re: ' RE: ' TE ' TE	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group ption 'cles ull_Bat_Cap main_Bat_Cap main_CHA_Time main_Dis_Time MP1 MP2	Storage display Value 280.00 151.20 - - 28 28	1 2 3 Parallel Unit # Ah Ah h h C	4 5 6 allel pol T55-V1.0.: packet dat MOS cha CHG_MOS CHG_MOS Other: Heat St	11 3 PCB BarCode: TBI23090400189
BaudRate tus: Commun Family_BMS-V TO PARA aglePack Mul aption Va. 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.	CONTS 9600 mication V1.1.635-37- V1.2.93 V.2.92 V.2.92 V.2.94 V1.2.94 V.2.92 V.2.94 V.2.92 V.2.94 V.2.94 V.2.92 V.2.94 V.2.	-24 FIG STC Record it Caa , Cy , Re , Re , Re , Re , TE	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group ption cles ull_Bat_Cap main_Bat_Cap main_Dis_Time MP1 MP2 MP3	Storage display Value 1 280.00 151.20 - - 28 28 28 28	1 2 3 Parallel Parallel Unit # Ah h C C	4 5 6 allel pol T55-V1.O.: packet dat MOS che CHG_MOS CHG_MOS Other: Heat St	11
BaudRate	CONTS 9600 mication V1.1.635-37- AL CONF altiPacks alue Uni .293 V .294 V .294 V .292 V .294 V .292 V .295 V .293 V .293 V .293 V .293 V	-24 FIG STC Record it Ca ' Fu ' Re ' Re ' Re ' TE ' TE	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group option cles ull_Bat_Cap main_Dta_Cap main_CHA_Time main_Dis_Time MP1 MP2 MP3 MP4	Storage display Value 1 280.00 151.20 - - 28 28 28 28 28 28	1 2 3 Parallel Unit # Ah Ah h h C C C C	4 5 6 allel pol T55-V1.0 packet dat MOS cha CHG_MOS CHG_MOS Other: Heat St	11 3 PCB BarCode: TBI23090400189 - □ ta storage harge-discharge state S ON O Dis_MOS ON O Charging O S OFF Dis_MOS OFF Discharge tateO Fan State Gap waite O tateO Fan State Gap waite O
BaudRate	CONTS 9600 mication v1.1.635-37- AL CONF 11tiPacks alue Uni .293 V .294 V .294 V .292 V .292 V .292 V .293 V .292 V .293 V .292 V .293 V .293 V .292 V .293 V .292 V .293 V .293 V .292 V .292 V .293 V .293 V .292 V .292 V .293 V .292 V .292 V .293 V .292 V .292 V .292 V .293 V .292 V .294 V .296 V .294 V .29	-24 FIG STC Record it Ca r Cy r Ret r Ret r TE r TE r TE r TE	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group option cles ull_Bat_Cap main_Bat_Cap main_Dis_Time MP1 MP2 MP3 MP4 S_Temp	i HY-PTO i HY-PTO display Value 1 280,00 151,20 - - 28 28 28 28 28 28 28 28 28 28 28	1 2 3	4 5 6 allel pol T55-V1.0 packet dat MOS cha CHG_MOS CHG_MOS Other: Heat St Protect	11 .3 PCB BarCode: TBI23090400189 .a .a ta storage ta storage starge-discharge state S ON O Dis_MOS ON O Charging O Discharge S OFF O Dis_MOS OFF O Discharge itate Fan State Gap waite tion Status:
BaudRate tus: Commun Family_BMS-V 70 PARA aption Va 3.: 3.: 3.: 3.: 3.: 3.: 3.: 3.: 3.: 3.:	CONTS 9600 mication v1.1.635-37- V1.2.93 V V2.294 V V2.292 V V2.293 V V2.293 V V2.293 V V2.293 V V2.293 V V2.293 V V2.293 V V2.293 V V2.294 V V2.293 V V2.293 V V2.293 V V2.293 V V2.293 V V2.293 V V2.294 V V2.293 V V2.293 V V2.293 V V2.294 V V2.293 V V2.293 V V2.294 V V2.293 V V2.293 V V2.294 V V2.293 V V2.294 V V2.293 V V2.294 V V2.293 V V2.294 V V2.294 V V2.293 V V2.294 V V2.294 V V2.293 V V2.294 V V2.294 V V2.294 V V2.293 V V2.294	-24 FIG STC Record it Ca ' Rec' ' Rec	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group ption 'cles ull_Bat_Cap main_Bat_Cap main_CHA_Time main_Dis_Time MP1 MP3 MP4 S_Temp bient_Temp	Storage display Value 1 280.00 151.20 - - 28 28 28 28 28 28 28 31	1 2 3 Dar Parallel Unit # Ah Ah Ah C C C C C C	4 5 6 allel pol T55-V1.0 T55-V1.0 T55-V1.0 MOS chr CHG_MOS CHG_MOS Other: Heat St Protect	11 .3 PCE BarCode: TBI23090400189 -
BaudRate	CONTS 9600 mication 11.1.635-37- 11.1.635-37- 11.1.635-37- 11.1.2.2.3 2.2.3 V.2.2.3 V.2.2.4 V.2.4	-24 FIG STC Record it Ca r Cy r Fu r Re r Re r Re r TE r TE r TE r TE r TE r TE	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group ption cles ull_Bat_Cap main_Dat_Cap main_Dis_Time MP1 MP1 MP3 MP4 S_Temp bient_Temp rrent	Storage display Value 1 280.00 - 28 28 28 28 28 28 28 31 0.00	1 2 3 Parallel Parallel Unit # Ah Ah h h C C C C C A 	4 5 6 allel pol T55-V1.O packet dat MOS chi CHG_MOS CHG_MOS Other: Heat St Protect	11 .3 PCB BarCode: TEI23090400189 - - - - - - - - - - - - -
BaudRate	CONTS 9600 mication v1.1.635-37- AL CONF 1tiPacks alue Uni 293 V 294 V 292 V 294 V 292 V 292 V 293 V 293 V 292 V 293 V 292 V 293 V 293 V 293 V 293 V 293 V 293 V 293 V 293 V 294 V 294 V 294 V 294 V 294 V 294 V 293 V 293 V 293 V 293 V 293 V 294 V 294 V 294 V 294 V 295 V 293 V 293 V 293 V 294 V 294 V 294 V 294 V 295 V 293 V 293 V 293 V 294 V 294 V 294 V 294 V 294 V 294 V 295 V 293 V 293 V 293 V 294 V	Current Cau	DIP_Addr 1 Pack_Coun 1 5. addr= EMS: DRAGE Mass S Parallel group ption cles ull_Bat_Cap main_Dis_Time Mp1 MP3 MP4 S_Temp bient_Temp rrent H	Storage display Value 1 280.00 151.20 - - 28 28 28 28 28 28 28 28 28 28 28 28 28	1 2 3 Parallel Unit # Ah Ah b b C C C C C C C C C C C C C	4 5 6 allel pol T55-V1.0. T55-V1.0. T55-V1.0. MOS chu CHG_MOS CHG_MOS Other: Heat St Protect	11 .3 PCB BarCode: TBI23090400189 - - - - - - - - - - - - -
BaudRate tus: Commun tus: Commun family_BMS-V TO PARA aglePack Mul aption Va 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	CONTS 9600 mication v1.1.635-37- AL CONF 11tiPacks alue Uni .293 V .294 V .292 V .292 V .292 V .293 V .293 V .293 V .293 V .293 V .293 V .293 V .293 V .294 V .294 V .293 V .293 V .294 V .293 V .294 V .293 V .294 V .293 V .294 V .294 V .293 V .294 V .293 V .294 V .293 V .294 V .294 V .293 V .294 V .294 V .294 V .294 V .294 V .293 V .294 V .29	-24 FIG STC Record it Ca r Fu r Re: r Re: r TE r TE	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group option cles ull_Bat_Cap main_Bat_Cap main_Dis_Time MP1 MP2 MP3 MP4 S_Temp bient_Temp rrent H	Storage display Value 1 280 28 28 28 28 28 28 28 28 28 28 28 28 28	1 2 3 Parallel Parallel Unit # Ah h C C C C C C K # #	packet dat mos chi cHG_MOS other: Heat St Protect	11 .3 PCB BarCode: TBI23090400189
BaudRate tus: Commun tus: Commun Family_BMS-V FO PARA aglePack Mul agtion Va 3 3 3 3 3 3 3 3.	CONTS 9600 mication v1.1.635-37- V1.1.635-37- V1.1.635-37- V1.1.635-37- V1.1.635-37- V2.294 V 294 V 294 V 294 V 295 V 292 V 292 V 292 V 293 V 293 V 293 V 294 V 293 V 293 V 294 V 293 V 294 V 294 V 294 V 294 V 294 V 294 V 294 V	-24 FIG STC Record it Car 7 Cy 7 Fu 7 Rec 7 Rec 7 Rec 7 Rec 7 TE 7 SO 7 Am 8 SO 7 SO	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group ption cles ull_Bat_Cap main_Bat_Cap main_Dis_Time WP1 WP3 WP4 S_Temp bient_Temp rrent H	Storage display Value 1 280.00 151.20 - - - 28 28 28 28 28 28 28 28 28 31 0.00 100.00%	1 2 3 Parallel Parallel Unit # Ah h h C C C C C C C C C C C C C	4 5 6 allel pol T55-V1.0.	11 .3 PCB BarCode: TBI23090400189 .a.ge harge-discharge state S ON O Dis_MOS ON O Charging O Discharge S OFF O Dis_MOS OFF O Discharge Discharge O Discharge State Fan State Gap waite SN:BASEN-TEST1
BaudRate tus: Commun Family_BMS-V TO PARA aglePack Mul aption Va 3.: 3.: 3.: 3.: 3.: 3.: 3.: 3.: 3.: 3.:	CONTS 9600 mication v1.1.635-37- AT CONF AltiPacks alue Uni 293 V 294 V 292 V 292 V 292 V 292 V 293 V 293 V 293 V 293 V 293 V 293 V 293 V 293 V 294 V 293 V 294 V 296 V 206 V	-24 FIG STCC Record it Ca 7 Cy 7 Fu 7 Re: 7 Re: 7 Re: 7 TE 7 Cy 8 Content 7 Cy 7 Substantion 7 Substantion 7 Cy 7 Substantion 7 Cy 7 Substantion 7 Su	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group ption roles ull_Bat_Cap main_Bat_Cap main_Dis_Time MP1 MP2 MP3 MP4 S_Temp bient_Temp rrent H	Storage display Value 1 280.00 151.20 - - 28 28 28 28 28 28 28 31 0.00 100.00%	1 2 3 Parallel Parallel Unit # Ah Ah C C C C C C C C C C C C C	4 5 6 allel pol T55-V1.0. MOS chi CHG_MOS CHG_MOS Other: Heat St Protect	11 .3 PCB BarCode: TBI23090400189 - - - - - - - - - - - - -
BaudRate tus: Connur tus: Connur tus: Connur family_BMS-V FO PARA aglePack Mul aption Va 3.: 3.: 3.: 3.: 3.: 3.: 3.: 3.: 3.: 3.:	CONTS 9600 mication v1.1.635-37- AL CONF 1tiPacks alue Uni 293 V 294 V 292 V 292 V 292 V 292 V 293 V 293 V 293 V 293 V 294 V 293 V 293 V 293 V 294 V 293 V 293 V 294 V 293 V 294 V 293 V 294 V 293 V 294 V 295 V 294 V 295 V 294 V 295 V 294 V 295 V 294 V 295 V 294 V 295 V 294 V 294 V 294 V 295 V 294 V 294 V 295 V 294 V 294 V 295 V 294 V 295 V 294 V	-24 FIG STCC Record it Caa 7 Cy 7 Fu 7 Re 7 Re 7 Re 7 Re 7 Re 7 TE 7 TE 7 TE 7 TE 7 TE 7 TE 7 TE 7 TE 7 TE 7 SO	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group ption cles ull_Bat_Cap main_Dis_Time MP1 MP3 MP4 S_Temp bient_Temp reent H	Storage display Value 1 280.00 151.20 - - 28 28 28 28 28 28 28 28 28 28 28 28 20 31 0.00 100.00%	1 2 3 Parallel Voit # Ah Ah C C C C C C C C A A A A A A A A A A A A A	4 5 6 allel pol T55-V1.0. T55-V1.0. T55-V1.0. MOS Chi CHG_MOS Other: Heat St Protect	11 .3 PCB BarCode: TBI23090400189
BaudRate tus: Commun tus: Comm	CONTS 9600 mication v1.1.635-37- AL CONF 11tiPacks alue Uni .293 V .294 V .294 V .292 V .292 V .292 V .293 V .293 V .293 V .293 V .293 V .293 V .293 V .294 V .293 V .293 V .293 V .294 V .293 V .294 V .293 V .294 V .293 V .294 V .293 V .294 V .293 V .294 V .294 V .294 V .294 V .294 V .293 V .294 V .294 V .294 V .294 V .293 V .294 V .294 V .294 V .294 V .294 V .294 V .294 V .293 V .294 V .294 V .294 V .292 V .294 V .292 V .294 V .292 V .292 V .293 V .294 V .294 V .292 V .294 V .294 V .294 V .292 V .294 V .295 V .296 V .295 V .29	-24 FIG STC Record it Ca 7 Fu 7 Re: 7 Re: 7 Re: 7 Re: 7 TE 7 TE 7 TE 7 TE 7 TE 7 TE 7 Cu 7 SO	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRACE Mass S Parallel group option cles ull_Bat_Cap main_Bat_Cap main_Dis_Time MP1 MP2 MP3 MP4 (S_Temp bient_Temp rrent H	Storage display Value 1 28 28 28 28 28 28 28 28 28 28 28 28 28	1 2 3 Parallel Parallel Unit # Ah h h C C C C C C C C K 4 #	packet dat mos chi cHG_MOS cHG cHG cHG cHG cHG cHG cHG cHG	11 .3 PCB BarCode: TBI23090400189 -
BaudRate amily_BMS-V O PARA glePack Mul ption Va 3. 3. 3. 3. 3. 3. 3. 3	CONTS 9600 mication v1.1.635-37- AL CONF alue Uni 293 V 294 V 294 V 292 V 294 V 292 V 292 V 293 V 294 V 294 V 294 V 295 V 294 V 293 V 294 V 294 V 295 V 294 V 295 V 294 V 295 V 294 V 295 V 294 V 295 V 294 V 295 V 294 V 294 V 295 V 294 V 295 V 294 V 295 V 294 V 294 V 294 V 295 V 294 V 295 V 294 V 295 V 294 V 295 V 294 V 295 V 294 V 294 V 295 V 294 V 295 V 294 V 295 V 294 V 295 V 294 V 294 V 294 V 295 V 294 V 295 V 295 V	-24 FIG STC Record it Ca 7 Cy 7 Fu 7 Re 7 Re 7 Re 7 Re 7 Re 7 TE 7 TE 7 TE 7 TE 7 TE 7 TE 7 TE 7 TE 7 Cu 7 Cu	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass S Parallel group ption cles ull_Bat_Cap main_Bat_Cap main_Dis_Time MP1 MP2 MP3 MP4 S; Temp bbient_Temp trent H	Storage display Value 1 280.00 151.20 - - 28 28 28 28 28 28 28 28 28 28 28 28 28	1 2 3 Parallel Parallel Unit # Ah h h C C C C C C C C C C C C C	4 5 6 allel pol T55-V1.0. T55-V1.0. T55-V1.0. MOS chi CHG_MOS CHG_MOS Other: Heat St Protect Alarm S	11 .3 PCE BarCode: TB123090400189
BaudRate us: Commu amily_BMS-V 0 PARA glePack Mul ption Va 3 3 3 3 3 3 3 3.	CONS 9600 mication v1.1.635-37- AL CONF alue Uni .293 V .294 V .292 V .292 V .292 V .292 V .292 V .293 V .293 V .293 V .293 V .293 V .293 V .293 V .293 V .293 V .294 V .293 V .294 V .293 V .294 V .293 V .294 V .293 V .294 V .293 V .293 V .294 V .293 V .293 V .294 V .293 V .293 V .293 V .294 V .293 V .294 V .293 V .294 V .293 V .293 V .294 V .295 V .295 V .295 V .294 V .295 V	-24 FIG STC Record it Ca 7 Fu 7 Rec 7	DIP_Addr 1 Pack_Coun 1 5. addr= BMS: DRAGE Mass 5 Parallel group ption vcles ull_Bat_Cap main_CHA_Time main_Dis_Time MP1 MP3 MP4 S_Temp bient_Temp urrent H	Storage display Value 1 28000 151.00 - - 28 28 28 28 28 28 31 0.00 100.00%	1 2 3 Parallel Parallel Unit # Ah h h C C C C C C C C C C C C C	4 5 6 allel pol T55-V1.0. MOS chi CHG_MOS CHG_MOS Other: Heat St Protect	11 .3 PCB BarCode: TBI23090400189 .a .a

-1 - 13

(2) Multiple groups of information viewing

Opening the "Parallel packet data storage" interface will display the data for each battery pack.

ngleF	ack Mul	LTIPACKS Record Pa	AGE Tass St o rallel group di	splay Parallel	packet dat:	a storage]			
ID	Pack	DateTime	Group voltage(V)	group current(A)	SOC (%)	SOH(%)	full capacity(Ah)	remain capacity(Ah)	Cycles	Ambient Temp(°C
29	0	2024.05.06 16:35:39	52.69	0.00	50	100	280.00	140.00	1	27.0
30	0	2024.05.06 16:35:43	52.69	0.00	50	100	280.00	140.00	1	27.0
31	0	2024.05.06 16:35:47	52.69	0.00	50	100	280.00	140.00	1	27.0
32	0	2024.05.06 16:35:51	52.69	0.00	50	100	280.00	140.00	1	27.0
33	0	2024.05.06 16:35:55	52.69	0.00	50	100	280.00	140.00	1	27.0
34	0	2024.05.06 16:35:59	52.69	0.00	50	100	280.00	140.00	1	27.0
35	0	2024.05.06 16:36:03	52.69	0.00	50	100	280.00	140.00	1	27.0
36	0	2024.05.06 16:36:07	52.69	0.00	50	100	280.00	140.00	1	27.0
37	0	2024.05.06 16:36:11	52.69	0.00	50	100	280.00	140.00	1	27.0
38	0	2024.05.06 16:36:15	52.69	0.00	50	100	280.00	140.00	1	27.0
39	0	2024.05.06 16:36:19	52.69	0.00	50	100	280.00	140.00	1	27.0
40	0	2024.05.06 16:36:23	52.69	0.00	50	100	280.00	140.00	1	27.0
41	0	2024.05.06 16:36:27	52.69	0.00	50	100	280.00	140.00	1	27.0
42	0	2024.05.06 16:36:31	52.69	0.00	50	100	280.00	140.00	1	27.0
43	0	2024.05.06 16:36:35	52.69	0.00	50	100	280.00	140.00	1	27.0
44	0	2024.05.06 16:36:39	52.69	0.00	50	100	280.00	140.00	1	27.0
45	0	2024.05.06 16:36:43	52.69	0.00	50	100	280.00	140.00	1	27.0
46	0	2024.05.06 16:42:47	52.69	0.00	50	100	280.00	140.00	1	27.0
47	0	2024.05.06 16:42:51	52.69	0.00	50	100	280.00	140.00	1	27.0

(3) Viewing real-time data

<u> </u>	= Family_BMS-V1.1.635-37-24 Observed the real-time data from different BMS boards alternate ×														
INF	D J	PARA	CONFIG STOR	RAGE I ass S	torage										
Sing	lePac	k Multi	iPacks Record P	arallel group	display Parallel pag	cket data sto	orage								
TD	ADDR	Ry Ty	PCB_BARCODE	PACK_BARCODE	DateTime	Cell_Count	CELL1	CELL2	CELL3	CELL4	CELL5	CELL6	CELL7	CELL8	CELL! ^
1	1	1/1			2024-05-06-16:44:23	16	3.293	3.295	3.292	3.293	3.292	3.294	3.294	3.293	3.292
2	1	2/2	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:24	16	3.293	3.294	3.293	3.294	3.292	3.295	3.294	3.292	3.291
3	1	3/3	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:25	16	3.293	3.294	3.293	3.293	3.292	3.294	3.293	3.292	3.293
4	1	4/4	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:26	16	3.293	3.295	3.293	3.293	3.292	3.295	3.293	3.293	3.292
5	1	5/5	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:27	16	3.292	3.295	3.293	3.294	3.292	3.295	3.294	3.292	3.292
6	1	6/6	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:28	16	3.292	3.296	3.292	3.293	3.292	3.294	3.294	3.293	3.291
7	1	7/7	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:29	16	3.293	3.294	3.291	3.293	3.292	3.295	3.293	3.293	3.292
8	1	8/8	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:30	16	3.292	3.295	3.292	3.293	3.292	3.295	3.294	3.294	3.293
9	1	9/9	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:31	16	3.292	3.294	3.292	3.293	3.292	3.294	3.293	3.293	3.291
10	1	10/10	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:32	16	3.294	3.294	3.293	3.294	3.291	3.294	3.293	3.292	3.292
11	1	11/11	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:33	16	3.294	3.295	3.292	3.294	3.292	3.294	3.293	3.293	3.292
12	1	12/12	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:34	16	3.294	3.295	3.291	3.293	3.291	3.295	3.293	3.293	3.293
13	1	13/13	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:35	16	3.292	3.295	3.292	3.294	3.291	3.295	3.293	3.293	3.292
14	1	14/14	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:36	16	3.293	3.294	3.292	3.293	3.291	3.294	3.294	3.293	3.292
15	1	15/15	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:37	16	3.293	3.295	3.293	3.293	3.292	3.294	3.292	3.293	3.291
16	1	16/16	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:38	16	3.293	3.294	3.293	3.293	3.291	3.294	3.294	3.292	3.292
17	1	17/17	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:39	16	3.292	3.295	3.292	3.293	3.291	3.296	3.294	3.293	3.293
18	1	18/18	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:40	16	3.293	3.294	3.293	3.293	3.291	3.294	3.293	3.292	3.293
19	1	19/19	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:41	16	3.293	3.295	3.292	3.293	3.291	3.294	3.293	3.293	3.293
20	1	20/20	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:42	16	3.293	3.294	3.293	3.293	3.291	3.294	3.293	3.293	3.293
21	1	21/21	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:44	16	3.293	3.294	3.292	3.293	3.292	3.295	3.293	3.293	3.292
<	4	00 (00	mp=00000300100	ni ann mamt	0001 OF 00 10 11 15	10	0.000	0.004	0.000	0.004	0.000	0.005	0.000	0.004	• • • • • • • • • • • • • • • • • • •
In	terval	<i>s</i> _ 1000	mS Disp	lay 130 Save	Clear	Save	data								
Statu	ıs: Com	munica	tion OK-COM5, ad	ir≕ BMS: HY-PT	003-B200LT55-V1.0.3	F	CB Bar	Code: Ti	BI23090	400189		8			

(5) If you only want to view the data of one BMS after the connection of several battery packs, change the pack number of the "INFO" interface to 1, and the address is selected as the corresponding address of the BMS to be viewed. The specific operation is shown in the figure.

- Family_BM	MS-V1.1.63	5-37-24		-		- 🗆 X
SinglePack	MultiPa	CONFIG	STORAGE Tass S	display P	arallel n	arket data storage
Caption 1 2 4 5 6 7 7 8 9 10 11 12	Alutira 3. 293 3. 295 3. 294 3. 295 3. 294 3. 295 3. 293 3. 293 3. 292 3. 294 3. 294 3. 294 3. 294 3. 294	Unit V V V V V V V V V V V V V V V V V V	Cat Parallel group Caption Cycles Full_Bat_Cap Remain_Bat_Cap Remain_CAL_Time Remain_Dis_Time TEMP1 TEMP2 TEMP3 TEMP4 MOS_Temp Ambient_Temp	Value 1 280.00 151.20 - - 28 28 28 28 28 28 28 28 28 30 0.00	unit # Ah Ah b C C C C C	MOS charge-discharge Mos charge-discharge state MOS charge-discharge state Normal Status CHG_MOS ON Dis_MOS ON Charging GHG_MOS OFF Dis_MOS OFF Discharge Other: Discharge Other: Heat State Fan State Gap waite Protection Status: SN:EASEN-TEST1
12 13 14 15 16 V_SUM V_AVG V_MAX V_MIN V_DIFF	3, 292 3, 294 3, 293 3, 293 3, 295 52, 69 3, 293 3, 295 3, 295 3, 292 0, 003	A A A A A A A A A A A A A A A A A A A	SOH	100.00%	#	Alarm Status: Communication OK No Current Current Current Current Limiter_Disable
Max Yol Open BaudRat	сом5 te 9600	v Volt	Cell Balance 3 DIP_Addr 1 ~ Pack_Coun 1 ~	S/R_Statt Select I 1 0 0 0 1 2 3	us: 699/60 DIP ad 0 0 0 4 5 6 allel poll	9 (语言/Language) English ~ dress as the corresponding to the BMS that you want to review ④ choose "1"

Note: USB serial port has RS232 and RS485, multi-pack monitoring must be connected to RS485, and each pack address cannot be the same.

4.3.2 Real-time data storage

(1) View of real-time data

View the real-time data and enter the "Record" interface in the "INFO" interface. The specific operation is shown in the figure.

F	amily_B	MS-V1.1	.635-37-24												⊐ ×
INF		PARAT	CONFIG STO	RAGE Tass S	torage										
Sing	lePacl	. Multi	Packs Record P	arallel group	display Parallel pag	ket data sto	orage								
ID	ADDR	Rx_Tx	PCB_BARCODE	PACK_BARCODE	DateTime	Cell_Count	CELL1	CELL2	CELL3	CELL4	CELL5	CELL6	CELL7	CELL8	CELL!
1	1	1/1			2024-05-06-16:44:23	16	3.293	3.295	3.292	3.293	3.292	3.294	3.294	3.293	3.292
2	1	2/2	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:24	16	3.293	3.294	3.293	3.294	3.292	3.295	3.294	3.292	3.291
3	1	3/3	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:25	16	3.293	3.294	3.293	3.293	3.292	3.294	3.293	3.292	3.293
4	1	4/4	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:26	16	3.293	3.295	3.293	3.293	3.292	3.295	3.293	3.293	3.292
5	1	5/5	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:27	16	3.292	3.295	3.293	3.294	3.292	3.295	3.294	3.292	3.292
6	1	6/6	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:28	16	3.292	3.296	3.292	3.293	3.292	3.294	3.294	3.293	3.291
7	1	7/7	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:29	16	3.293	3.294	3.291	3.293	3.292	3.295	3.293	3.293	3.292
8	1	8/8	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:30	16	3.292	3.295	3.292	3.293	3.292	3.295	3.294	3.294	3.293
9	1	9/9	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:31	16	3.292	3.294	3.292	3.293	3.292	3.294	3.293	3.293	3.291
10	1	10/10	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:32	16	3.294	3.294	3.293	3.294	3.291	3.294	3.293	3.292	3.292
11	1	11/11	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:33	16	3.294	3.295	3.292	3.294	3.292	3.294	3.293	3.293	3.292
12	1	12/12	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:34	16	3.294	3.295	3.291	3.293	3.291	3.295	3.293	3.293	3.293
13	1	13/13	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:35	16	3.292	3.295	3.292	3.294	3.291	3.295	3.293	3.293	3.292
14	1	14/14	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:36	16	3.293	3.294	3.292	3.293	3.291	3.294	3.294	3.293	3.292
15	1	15/15	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:37	16	3.293	3.295	3.293	3.293	3.292	3.294	3.292	3.293	3.291
16	1	16/16	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:38	16	3.293	3.294	3.293	3.293	3.291	3.294	3.294	3.292	3.292
17	1	17/17	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:39	16	3.292	3.295	3.292	3.293	3.291	3.296	3.294	3.293	3.293
18	1	18/18	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:40	16	3.293	3.294	3.293	3.293	3.291	3.294	3.293	3.292	3.293
19	1	19/19	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:41	16	3.293	3.295	3.292	3.293	3.291	3.294	3.293	3.293	3.293
20	1	20/20	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:42	16	3.293	3.294	3.293	3.293	3.291	3.294	3.293	3.293	3.293
21	1	21/21	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:44	16	3.293	3.294	3.292	3.293	3.292	3.295	3.293	3.293	3.292
2	-	00.000		n i ann amamt	10001 OF 00 10 11 15	40	0.000	0.004	0.000	0.004	0.000	0.005	0.000	0.004	• • • • • • •
-															
In	terval:	s 1000	➡ mS □ Auto	lay 581 Save	Clear	Save	data								
1						1						1			
Statu	ls: Com	municat	tion OK-COM5, ad	dr= BMS: HY-PT	003-B200LT55-V1.0.3	F	CB Bar	Code: T.	BI23090	400189					

(2) Export of real-time data

Real-time data can be exported into a EXCEL table data format, click "Save data", the specific operation is shown in the figure.

F	amily_B	MS-V1.1	.635-37-24												- 1) ×
INF	0	PARAL	CONFIG STOR	RAGE E ass S	torage											
Sins	lePac	k Mult:	iPacks Record P	2 Click	display Parallel pag	cket data st	orage									
ID	ADDR	Rx Tx	PCB BARCODE	PACK BARCODE	DateTime	Cell Count	CELL1	CELL2	CELL3	CELL4	CELL5	CELL6	CELL7	CELL8	CELL9	CELL ^
1	1	1/1			2024-05-09-11:30:02	16	3.292	3.295	3.292	3.293	3.291	3.296	3.294	3.293	3.292	3.294
2	1	2/2	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:03	16	3.293	3.295	3.293	3.292	3.292	3.294	3.293	3.293	3.292	3.294
3	1	3/3	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:04	16	3.293	3.294	3.292	3.292	3.291	3.295	3.293	3.293	3.292	3.294
4	1	4/4	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:05	16	3.293	3.295	3.292	3.294	3.291	3.295	3.293	3.293	3.292	3.294
5	1	5/5	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:06	16	3.293	3.294	3.291	3.293	3.291	3.294	3.293	3.293	3.292	3.294
6	1	6/6	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:07	16	3.293	3.295	3.292	3.294	3.291	3.296	3.294	3.293	3.292	3.294
7	1	7/7	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:08	16	3.292	3.295	3.293	3.292	3.292	3.295	3.293	3.293	3.292	3.293
8	1	8/8	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:09	16	3.294	3.295	3.292	3.294	3.292	3.295	3.293	3.292	3.292	3.293
9	1	9/9	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:10	16	3.292	3.295	3.291	3.293	3.292	3.294	3.292	3.294	3.292	3.295
10	1	10/10	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:11	16	3.293	3.295	3.293	3.294	3.292	3.295	3.293	3.294	3.292	3.294
11	1	11/11	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:12	16	3.293	3.295	3.292	3.294	3.291	3.295	3.294	3.295	3.293	3.293
12	1	12/12	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:13	16	3.294	3.294	3.293	3.293	3.292	3.294	3.294	3.293	3.293	3.295
13	1	13/13	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:14	16	3.293	3.295	3.293	3.293	3.293	3.295	3.294	3.294	3.292	3.295
14	1	14/14	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:15	16	3.294	3.296	3.292	3.292	3.292	3.295	3.293	3.293	3.291	3.294
15	1	15/15	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:16	16	3.293	3.294	3.293	3.292	3.292	3.294	3.293	3.293	3.292	3.294
16	1	16/16	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:17	16	3.294	3.294	3.292	3.292	3.292	3.296	3.294	3.294	3.292	3.294
17	1	17/17	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:18	16	3.294	3.295	3.293	3.293	3.292	3.295	3.293	3.292	3.292	3.295
18	1	18/18	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:19	16	3.294	3.295	3.293	3.293	3.292	3.294	3.293	3.293	3.292	3.294
19	1	19/19	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:20	16	3.293	3.295	3.293	3.293	3.292	3.295	3.293	3.292	3.292	3.294
20	1	20/20	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:21	16	3.293	3.295	3.292	3.294	3.291	3.295	3.293	3.293	3.292	3.293
21	1	21/21	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:22	16	3.294	3.295	3.292	3.293	3.291	3.294	3.294	3.292	3.293	3.294
22	1	22/22	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:23	16	3.293	3.295	3.292	3.293	3.293	3.295	3.293	3.293	3.293	3.294
23	1	23/23	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:24	16	3.293	3.295	3.292	3.292	3.291	3.295	3.293	3.294	3.292	3.294
24	1	24/24	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:25	16	3.293	3.295	3.292	3.294	3.292	3.295	3.294	3.293	3.292	3.294
25	1 25/25 TB123090400189 BASEN-TEST1 2024-05-09-11:30:26 16 3.292 3.295 3.291 3.293 3.292 3.295 3.293 3.293 3.293 3.293 3.292 3.294															
26	1	26/26	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:27	16	3.294	3.295	3.291	3.294	3.292	3.294	3.292	3.293	3.292	3.294
27	1	27/27	TBI23090400189	BASEN-TEST1	2024-05-09-11:30:28	16	3.292	3.295	3.293	3.293	3.292	3.295	3.293	3.293	3.293	3.293 🗸
<	1 - A		1	10.9	Ver il	×		1. Contract (1. Contract)								>
In	terval	s 1000	🔹 mS 🗌 Auto	lay 133 Save	Clear	Save	data	3	Click	" Sav	e dat	a"				
Statu	as: Con	mmunica	tion OK-COM5, ad	dr= BMS: HY-PT	003-B200LT55-V1.0.3	F	CB Bar	Code: T.	BI23090	400189						

-1 - 16

(3) Modification interval time

The real-time data storage interval can be defined by ourselves. The default real-time data recording interval is 1 second / record. If the real-time data recording interval is modified, the specific operation is shown in the figure.

<u> </u>															
INF	0]	PARA	CONFIG STO	RAGE T ass S	torage										
Sing	glePacl	k Mult:	iPacks Record P	arallel group	display Parallel pag	ket data sto	orage								
ID	ADDR	Rx_Tx	PCB_BARCODE	PACK_BARCODE	DateTime	Cell_Count	CELL1	CELL2	CELL3	CELL4	CELL5	CELL6	CELL7	CELL8	CELL! ^
1	1	1/1			2024-05-06-16:44:23	16	3.293	3. 295	3.292	3. 293	3.292	3.294	3.294	3. 293	3.292
2	1	2/2	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:24	16	3.293	3.294	3.293	3.294	3.292	3.295	3.294	3.292	3.291
3	1	3/3	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:25	16	3.293	3.294	3.293	3.293	3.292	3.294	3.293	3.292	3.293
4	1	4/4	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:26	16	3.293	3.295	3.293	3.293	3.292	3.295	3.293	3.293	3.292
5	1	5/5	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:27	16	3.292	3.295	3.293	3.294	3.292	3.295	3.294	3.292	3.292
6	1	6/6	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:28	16	3.292	3.296	3.292	3.293	3.292	3.294	3.294	3.293	3.291
7	1	7/7	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:29	16	3.293	3.294	3.291	3. 293	3.292	3.295	3.293	3. 293	3.292
8	1	8/8	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:30	16	3.292	3.295	3.292	3.293	3.292	3.295	3, 294	3.294	3.293
9	1	9/9	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:31	16	3.292	3.294	3.292	3.293	3.292	3.294	3.293	3.293	3.291
10	1	10/10	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:32	16	3.294	3.294	3.293	3.294	3.291	3.294	3.293	3.292	3.292
11	1	11/11	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:33	16	3.294	3.295	3.292	3.294	3.292	3.294	3.293	3.293	3.292
12	1	12/12	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:34	16	3.294	3.295	3.291	3.293	3.291	3.295	3.293	3.293	3.293
13	1	13/13	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:35	16	3.292	3.295	3.292	3.294	3.291	3.295	3.293	3.293	3.292
14	1	14/14	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:36	16	3.293	3.294	3. 292	3.293	3.291	3.294	3.294	3. 293	3.292
15	1	15/15	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:37	16	3.293	3.295	3.293	3.293	3.292	3.294	3.292	3. 293	3.291
16	1	16/16	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:38	16	3.293	3.294	3.293	3.293	3.291	3.294	3.294	3.292	3.292
17	1	17/17	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:39	16	3.292	3.295	3.292	3.293	3.291	3.296	3.294	3.293	3.293
18	1	18/18	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:40	16	3.293	3.294	3.293	3.293	3.291	3.294	3.293	3.292	3.293
19	1	19/19	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:41	16	3.293	3.295	3.292	3.293	3.291	3.294	3.293	3.293	3.293
20	1	20/20	TBI23090400189	BASEN-TEST1	2024-05-06-16:44:42	16	3.293	3.294	3.293	3.293	3.291	3.294	3.293	3. 293	3.293
21	21 1 21/21 TB123090400189 BASEN-TEST1 2024-05-06-16:44:44 16 3.293 3.294 3.292 3.293 3.292 3.293 3.295 3.293 3.293 3.292														
<															
M	Modify interval time here														
	Display 810														
In	Intervals 1000 T mS Auto Save														
												1			
Statu	us: Cor	mmunica	tion OK-COM5, ad	dr= BMS: HY-PT	003-B200LT55-V1.0.3	F	CB Bar	Code: T	BI23090	400189					

4.3.3 Multi-pack data monitoring

In the multi-pack data monitoring, the data of each battery pack can be compared and displayed. Click the "Multi Packs" interface under the "INFO" interface to view the multi-pack data. The specific operation is shown in the figure.

lePa	ck MultiF	acks Recor	d Parallel group	p display Paral	lel packet data sto	orage							
	ADDR	Rx_Tx	HCK PCB_BARCODE	PACK_BARCODE	Time	CELL1	CELL2	CELL3	CELL4	CELL5	CELLÔ	CELL7	CELL
K1	1	352/352	TBI23090400	BASEN-TEST1	2024-05-09-11	3.292	3.293	3.292	3. 293	3.291	3.294	3.294	3.29

4.4 PARAMETERS INTERFACE FUNCTION SETTINGS

This part includes the functions of reading basic parameter information, restoring default parameters, writing single parameters, writing all parameters, importing parameters and exporting parameters. The "Parameter" interface is shown in the figure below.

F O	PARAL CONFIG	STORAGE	ass Storage					
Prote	ct Parameters Alarm Param	neters						
No.	Name	Data	Unit	Set Range	^	Import_Param	Save_Param	Load Urigin
	CELL_Vol_Protect							
Y	CELL_OV_Start	3. 70	V(±25mV)	1/6				
¥	CELL_OV_Delay	1000	mS(500-3000mS)	50/65000				
Y	CELL_OV_Stop	3.38	V(±25mV)	0/6		-Protect Params	Alarm Param	s
¥	CELL_UV_Start	2.70	V(±25mV)	1/6		Operation[multiple]	Operation(m	uitipiej
¥	CELL_UV_Delay	1000	mS(500-3000mS)	50/65000		Read	Read	
Y	CELL_UV_Stop	2.95	V(±25mV)	0/6				
	PACK_Vol_Protect							
¥	PACK_OV_Start	58.40	V(±300mV)	3/200				
¥	PACK_OV_Delay	1000	mS(500-3000mS)	50/65000				
У	PACK_OV_Stop	54.00	V(±300mV)	0/200				
¥	PACK_UV_Start	43.2	V(±300mV)	3/200				
¥	PACK_UV_Delay	1000	mS(500-3000mS)	50/65000				
¥	PACK_UV_Stop	47.20	V(±300mV)	0/200				
¥	Const_Pack_V	56.00	V(±300mV)	10/200				
¥	Const_Current	2000	mA	0/50000	1			
	Current_Protect							
¥	CHG_OC1_Start	110	A(±2A)	5/200				
¥	CHG_OC1_Delay	5000	mS(100-1500mS)	50/65000				
¥	DISC_OC1_Start	125	A(±2A)	5/200				
Y	DISC_OC1_Delay	10000	mS(100-1500mS)	50/65000				
У	CHG_0C2_Start	150	A(±2A)	5/200				
¥	CHG_OC2_Delay	500	mS(100-1500mS)	50/65000				
¥	DISC_0C2_Start	150	A(±2A)	5/200				
¥	DISC_OC2_Delay	500	mS(100-1500mS)	50/65000			1	Change

4.4.1 Parameter reading

(1) Protection parameter reading

0	PARAL CONFIG ST	ORAGE	ass Storage		
ot	ect Parameters Alarm Parameter	s			
0.	Name (2) Click	Data	Uni t	Set Range	Import_Param Save_Param Load Origin
	CELL_Vol_Protect				
¥	CELL_OV_Start	3. 70	V(±25mV)	1/6	
¥	CELL_OV_Delay	1000	mS(500-3000mS)	50/65000	
Y	CELL_OV_Stop	3.38	V(±25mV)	0/6	Protect Params
Y	CELL_UV_Start	2.70	V(±25mV)	1/6	Operation[Multiple] Operation[Multiple]
¥	CELL_UV_Delay	1000	mS(500-3000mS)	50/65000	Read
¥	CELL_UV_Stop	2.95	V(±25mV)	0/6	
	PACK_Vol_Protect				3 Click "Read"
Y	PACK_OV_Start	58.40	V(±300mV)	3/200	
¥	PACK_OV_Delay	1000	mS(500-3000mS)	50/65000	
Y	PACK_OV_Stop	54.00	V(±300mV)	0/200	
¥	PACK_UV_Start	43.2	V(±300mV)	3/200	
¥	PACK_UV_Delay	1000	mS(500-3000mS)	50/65000	
¥	PACK_UV_Stop	47.20	V(±300mV)	0/200	
¥	Const_Pack_V	56.00	V(±300mV)	10/200	
Y	Const_Current	2000	mÅ	0/50000	
	Current_Protect				
Y	CHG_OC1_Start	110	A(±2A)	5/200	
¥	CHG_OC1_Delay	5000	mS(100-1500mS)	50/65000	
¥	DISC_OC1_Start	125	A(±2A)	5/200	
Y	DISC_OC1_Delay	10000	mS(100-1500mS)	50/65000	
¥	CHG_OC2_Start	150	A(±2A)	5/200	
¥	CHG_OC2_Delay	500	mS(100-1500mS)	50/65000	
¥	DISC_0C2_Start	150	A(±2A)	5/200	
¥	DISC_OC2_Delay	500	mS(100-1500mS)	50/65000	Status Road Peren Delay 150 - Change

(2) Reading of the alarm parameters

= Fa	Amily_BMS-V1.1.635-37-24	K STORAGE	ace Storage					- 0
Prot	ect Parameters Alarm Param	eters O Cli	als boorage					
[0	Nama	Dete	ICK Init	Sat Range	~	Import_Param	Save_Param	Load Origin
10.	CELL Vol Alarm	Data	onit	Set hange				
Y	CELL OV Start	3.55	V(±25mV)	1/6				
Y	CELL OV Delay	2000	mS(500-3000mS)	50/65000	5			
Y	CELL OV Stop	3.40	V(±25mV)	0/6		-Protect Params	Alarm Params	
Y	CELL UV Start	2.90	V(±25mV)	1/6		Operation[Multiple]	Operation[Mult	iple]
Y	CELL_UV_Delay	2000	mS(500-3000mS)	50/65000		Read	Read	
Y	CELL_UV_Stop	2.95	V(±25mV)	0/6		3 7.		
	PACK_Vol_Alarm		<u>s</u>				③ Click *F	Read*
Y	PACK_OV_Start	56.80	V(±300mV)	3/200				
¥	PACK_OV_Delay	1000	mS(500-3000mS)	50/65000				
Y	PACK_OV_Stop	55.0	V(±300mV)	0/200	- 5			
¥	PACK_UV_Start	46.4	V(±300mV)	3/200				
¥	PACK_UV_Delay	1000	mS(500-3000mS)	50/65000				
¥	PACK_UV_Stop	47.2	V(±300mV)	0/200				
	Current_Alarm							
¥	CHG_OC_Start	105	A(±2A)	5/200				
¥	CHG_OC_Delay	1000	mS(100-1500mS)	50/65000				
¥	CHG_OC_Stop	100	A(±2A)	1/200				
¥	DISC_OC_Start	110	A(±2A)	5/200	32			
¥	DISC_OC_Delay	1000	mS(100-1500mS)	50/65000				
Y	DISC_OC_Stop	100	A(±2A)	1/200				
	Temperature_Alarm							
¥	CHG_OT_START	60	°C(±2°C)	5/200				
¥	CHG_OT_Delay	4000	mS(500-3000mS)	50/65000				
¥	CHG_OT_STOP	55	°C(±2°C)	5/200				
¥	CHG_UT_START	0	°C(±2°C)	-50/200				
¥	CHG_UT_Delay	4000	mS(500-3000mS)	50/65000				
¥	CHG_UT_STOP	5	°C(±2°C)	-50/200				
¥	DISC_OT_START	65	°C(±2°C)	-50/200				
¥	DISC_OT_Delay	4000	mS(500-3000mS)	50/65000		Statuc	Read Param Delay 150 🖿	Change
Y	DISC OT STOP	60	°C(±2°C)	-50/200	Y	status	Waaliaram beray	

4.4.2 Parameter modification (the range of the parameter should be indicated)

Take the modification of "CELL-OV-START" as an example, other parameters to modify the same operation. The specific operation is as shown in the figure:

21

(1) Modification of the protection parameters:

= Fa	BMS-V1.1.635-37-24 DClick	DRAGE I	ass Storage		⑤ Confirm the parameter - □ × that you want to modify
Prot	ect Parameters Alarm Parameters	5			
No.	Name (3) Click	Data	Unit	Set Range	A Import_Param Save_Param Load Origin
	CELL_Vol_Frotect				6 Modify data
¥	CELL_OV_Start	3.70	V(±25mV)	1/6	
Y	CELL_OV_Delay A Click	1000	mS(500-3000mS)	50/65000	CELL_OV_Start 3.10 Write Read
¥	CELL_OV_Stop	3.38	V(±25mV)	0/6	Protect ParamsAlarm Params Click "Write"
Y	CELL_UV_Start	2.70	V(±25mV)	1/6	Operation[Multiple] Operation[Multiple]
Y	CELL_UV_Delay	1000	mS(500-3000mS)	50/65000	Read Write Read Write
¥	CELL_UV_Stop	2.95	V(±25mV)	0/6	
	PACK_Vol_Protect				(8) Click "Read"
¥	PACK_OV_Start	58.40	V(±300mV)	3/200	
Y	PACK_OV_Delay	1000	mS(500-3000mS)	50/65000	
¥	PACK_OV_Stop	54.00	V(±300mV)	0/200	
¥	PACK_UV_Start	43.2	V(±300mV)	3/200	
¥	PACK_UV_Delay	1000	mS(500-3000mS)	50/65000	
¥	PACK_UV_Stop	47.20	V(±300mV)	0/200	
¥	Const_Pack_V	56.00	V(±300mV)	10/200	
¥	Const_Current	2000	mA	0/50000	
	Current_Protect				
¥	CHG_OC1_Start	110	A(±2A)	5/200	
¥	CHG_OC1_Delay	5000	mS(100-1500mS)	50/65000	
¥	DISC_0C1_Start	125	A(±2A)	5/200	
У	DISC_OC1_Delay	10000	mS(100-1500mS)	50/65000	
¥	CHG_OC2_Start	150	A(±2A)	5/200	② Password: "666666"
¥	CHG_OC2_Delay	500	mS(100-1500mS)	50/65000	or "888888"
У	DISC_0C2_Start	150	A(±2A)	5/200	
Y	DISC_OC2_Delay	500	mS(100-1500mS)	50/65000	Statue Read Param Delay 150 📥 Change ******
	· · · ·				
Statu	s: Communication OK-COM5, a	ddr= BMS	: HY-PT003-B200	LT55-V1.0.3	PCB BarCode: TBI23090400189

(2) Modify the alarm parameters:

== Fa	mily BMS-V1.1.635-37-24				⑤ Confirm the parameter - □ ×
INFO) PARAL CONFIG STO	ORAGE	ass Storage		that you want to modify
Prot	ect Parameters Alarm Parameters				
No.	Name 3 Click	Data	Unit	Set Range	A Import_Param Save_Param Load Origin
4	CELL_Vol_Protect				Bon Operation [Simple] 6 Modify data
Ч	CELL_OV_Start	3, 70	V(±25mV)	1/6	arrito u ciulo and 3.70 Write Read
Y	CELL_OV_Delay (4) Click	1000	mS(500-3000mS)	50/65000	CELL_OV_Start 0.10 Wille Read
¥	CELL_OV_Stop	3.38	V(±25mV)	0/6	Protect Params Alarm Params () Click "Write"
¥	CELL_UV_Start	2.70	V(±25mV)	1/6	Operation[Multiple] Operation[Multiple]
¥	CELL_UV_Delay	1000	mS(500-3000mS)	50/65000	Read Write Read Write
¥	CELL_UV_Stop	2.95	V(±25mV)	0/6	
	PACK_Vol_Protect				8 Click "Read"
¥	PACK_OV_Start	58.40	V(±300mV)	3/200	
У	PACK_OV_Delay	1000	mS(500-3000mS)	50/65000	
Ч	PACK_OV_Stop	54.00	V(±300mV)	0/200	
Ч	PACK_UV_Start	43.2	V(±300mV)	3/200	
Ч	PACK_UV_Delay	1000	mS(500-3000mS)	50/65000	
У	PACK_UV_Stop	47.20	V(±300mV)	0/200	
У	Const_Pack_V	56.00	V(±300mV)	10/200	
Ч	Const_Current	2000	mÁ	0/50000	
	Current_Protect				
¥	CHG_OC1_Start	110	A(±2A)	5/200	
¥	CHG_OC1_Delay	5000	mS(100-1500mS)	50/65000	
Ч	DISC_OC1_Start	125	A(±2A)	5/200	
Ч	DISC_OC1_Delay	10000	mS(100-1500mS)	50/65000	
¥	CHG_OC2_Start	150	A(±2A)	5/200	② Password: "666666"
¥	CHG_OC2_Delay	500	mS(100-1500mS)	50/65000	or "888888"
¥	DISC_OC2_Start	150	A(±2A)	5/200	
Ч	DISC_OC2_Delay	500	mS(100-1500mS)	50/65000	Statue Read Param Delay 150 A Change ******
-	.				
Statu	s: Communication OK-COM5, a	ddr=: BMS	. нү-ртооз-в2оо	LT55-V1.0.3	PCB BarCode: TBI23090400189

4.4.3 Parameter export

= Fa	mily_BMS-V1.1.635-37-24				×
INFO	PARAL CONFIG ST	DRAGE I	ass Storage		(3)CIICK Save Param
Prote	ect Parameters Alarm Parameter:	5			
No.	Name	Data	Unit	Set Range 🔺	Import_Param Save_Param Load Origin
	CELL_Vol_Protect				
Y	CELL_OV_Start	3.70	V(±25mV)	1/6	
Y	CELL_OV_Delay	1000	mS(500-3000mS)	50/65000	
Y	CELL_OV_Stop	3, 38	V(±25mV)	0/6	Protect Params
Y	CELL_UV_Start	2.70	V(±25mV)	1/6	Operation[Multiple] Operation[Multiple]
Y	CELL_UV_Delay	1000	mS(500-3000mS)	50/65000	Read
Y	CELL_UV_Stop	2.95	V(±25mV)	0/6	
	PACK_Vol_Protect				
¥	PACK_OV_Start	58.40	V(±300mV)	3/200	
Ч	PACK_OV_Delay	1000	mS(500-3000mS)	50/65000	
¥	PACK_OV_Stop	54.00	V(±300mV)	0/200	② Click :"Read" to get
Y	PACK_UV_Start	43.2	V(±300mV)	3/200	
¥	PACK_UV_Delay	1000	mS(500-3000mS)	50/65000	Protect params and Alarm params.
¥	PACK_UV_Stop	47.20	V(±300mV)	0/200	
¥	Const_Pack_V	56.00	V(±300mV)	10/200	
¥	Const_Current	2000	mÁ	0/50000	
	Current_Protect				
У	CHG_OC1_Start	110	A(±2A)	5/200	
¥	CHG_OC1_Delay	5000	mS(100-1500mS)	50/65000	
Y	DISC_0C1_Start	125	A(±2A)	5/200	
¥	DISC_OC1_Delay	10000	mS(100-1500mS)	50/65000	
¥	CHG_OC2_Start	150	A(±2A)	5/200	
Y	CHG_OC2_Delay	500	mS(100-1500mS)	50/65000	
У	DISC_OC2_Start	150	A(±2A)	5/200	
¥	DISC_OC2_Delay	500	mS(100-1500mS)	50/65000	
	Temperature_Protect				
Y	CHG_OT_START	65	°C(±2°C)	5/200	
Ч	CHG_OT_Delay	4000	mS(500-3000mS)	50/65000	
У	CHG_OT_STOP	55	°C(±2°C)	5/200	
Ч	DISC_OT_START	70	°C(±2°C)	5/200	
Y	DISC_OT_Delay	4000	mS(500-3000mS)	50/65000	
У	DISC_OT_STOP	60	°C(±2°C)	5/200	n n n n 150 🔺 Chonre
<u> </u>	CHG_UT_START	-5	°C(±2°C)	-50/200 🗸	Status Kead_Param_Delay
Status	s: Communication OK-COM5, a	ddr≕ BMS	: HY-PT003-B200	LT55-V1.0.3	PCB BarCode: TBI23090400189



4.4.4 Parameter import

= Fa	amily_BMS-V1.1.635-37-24							– 🗆 X
INFO) PARAL CONFIG ST	ORAGE I	ass Storage			Click " impo	ort param"	
Prot	est Parameters Alorn Poromotor							
No.	Name	Data	Unit	Set Range	^	Import_Param Save_Par	3.	Load Origin
	CELL_Vol_Protect							
Y	CELL_OV_Start	3.70	V(±25mV)	1/6				
Y	CELL_OV_Delay	1000	mS(500-3000mS)	50/65000				
Y	CELL_OV_Stop	3.38	V(±25mV)	0/6	-8	Protect Params	arm Params	
Y	CELL_UV_Start	2.70	V(±25mV)	1/6		Operation[Multiple] Op	eration[Multiple]	
Y	CELL_UV_Delay	1000	mS(500-3000mS)	50/65000	- 2	Read	Read	
Y	CELL_UV_Stop	2.95	V(±25mV)	0/6				
0	PACK_Vol_Protect							n:
Y	PACK_OV_Start	58.40	V(±300mV)	3/200				
Y	PACK_OV_Delay	1000	mS(500-3000mS)	50/65000				
¥	PACK_OV_Stop	54.00	V(±300mV)	0/200				
¥	PACK_UV_Start	43.2	V(±300mV)	3/200				
¥	PACK_UV_Delay	1000	mS(500-3000mS)	50/65000				
Y	PACK_UV_Stop	47.20	V(±300mV)	0/200				
¥	Const_Pack_V	56.00	V(±300mV)	10/200				
¥	Const_Current	2000	mÅ	0/50000				
	Current_Protect							
Y	CHG_OC1_Start	110	A(±2A)	5/200				
Y	CHG_OC1_Delay	5000	mS(100-1500mS)	50/65000				
Y	DISC_OC1_Start	125	A(±2A)	5/200				
Y	DISC_OC1_Delay	10000	mS(100-1500mS)	50/65000				
Y	CHG_OC2_Start	150	A(±2A)	5/200				
Y	CHG_OC2_Delay	500	mS(100-1500mS)	50/65000				
¥	DISC_0C2_Start	150	A(±2A)	5/200				
У	DISC_0C2_Delay	500	mS(100-1500mS)	50/65000				
	Temperature_Protect							
Y	CHG_OT_START	65	°C(±2°C)	5/200				
У	CHG_OT_Delay	4000	mS(500-3000mS)	50/65000				
Y	CHG_OT_STOP	55	°C(±2°C)	5/200				
Y	DISC_OT_START	70	°C(±2°C)	5/200				
¥	DISC_OT_Delay	4000	mS(500-3000mS)	50/65000				
Y	DISC_OT_STOP	60	°C(±2°C)	5/200		C	Read Paran Dalar 150	Change
у	CHG_UT_START	-5	°C(±2°C)	-50/200	¥	Status	wear's at SWL Dergy	
Statu	s: Communication OK-COM5, a	addr=: BMS	: HY-PT003-B200	LT55-V1.0.3		PCB BarCode: TBI2309040018	9	

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1736 X	Donnav上位机截图	2024/5/6 17:20	合語書		
○ X档 求	直播OBS素材	2024/3/28 18:37	文件夹		
副前 オ	資料	2024/3/28 18:21	文件夹		
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上位机英文截图	9.6	2022/9/20 14:25	文件夾		
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4.4.5 Configure the default parameters of the upper monitor system

Note: After the protection parameters and alarm parameters are read, the parameters of the upper monitor system appear red color. The reason for this phenomenon is that the parameter version of the upper monitor system and the BMS are not consistent, which does not affect the normal use, and the operation is not recommended. If the operation of "cancel the mark red" is required, please contact the Basengreen customer service.

4.4.6 Current-limiting mode

Note: 0,3,4,5,10, five modes, other numbers are meaningless.

Each of the five current limiting modes are as follows:

- 0: unlimited flow mode;
- 3: Half of the lower flow value of the passive flow limiting mode;
- 4: Passive flow-limiting mode;
- 5: Half of the lower flow value of the active current limiting mode;
- 10: Active current limiting mode.

= Fa	amily_BMS-V1.1.635-37-24	1					- 🗆 X
INFO) PARAL CONFIG S	TORAGE	ass Storage				
Prot	ect Parameters Alarm Paramete	ers					
No.	Name	Data	Unit	Set Range	^	Import_Param Save_Param	Load Origin
Y	CHG_OT_START	65	°C(±2°C)	5/200		Param Operation[Simple]	
Y	CHG_OT_Delay	4000	mS(500-3000mS)	50/65000		I C Stale	Read (Click
Y	CHG_OT_STOP	55	°C(±2°C)	5/200		LC_STYle	Made O CIICK
Y	DISC_OT_START	70	°C(±2°C)	5/200		Protect Params	
Y	DISC_OT_Delay	4000	mS(500-3000mS)	50/65000		Operation[Multiple] Operation[Multiple]	
Y	DISC_OT_STOP	60	°C(±2°C)	5/200		Read Write Read Write	
¥	CHG_UT_START	-5	°C(±2°C)	-50/200			
¥	CHG_UT_Delay	4000	mS(500-3000mS)	50/65000			
¥	CHG_UT_STOP	0	°C(±2°C)	-50/200		() different number	
¥	DISC_UT_START	-20	°C(±2°C)	-50/200		(4) different number	
Y	DISC_UT_Delay	4000	mS(500-3000mS)	50/65000		represents different mode	s
Y	DISC_UT_STOP	-15	°C(±2°C)	-50/200			
¥	MOS_OT_START	110	°C(±2°C)	-50/200			
Y	MOS_OT_Delay	4000	mS(500-3000mS)	50/65000			
Y	MOS_OT_STOP	85	°C(±2°C)	-50/200			
¥	ENV_OT_START	70	°C(±2°C)	-50/200			
¥	ENV_OT_Delay	4000	mS(500-3000mS)	50/65000			
Y	ENV_OT_STOP	65	°C(±2°C)	-50/200			
Y	ENV_UT_START	-25	°C(±2°C)	-50/200			
Y	ENV_UT_Delay	4000	mS(500-3000mS)	50/65000			
Y	ENV_UT_STOP	-20	°C(±2°C)	-50/200			
	OTHERS						
¥	Balance_Start_Vol	3.45	V(±25mV)	1/6			
¥	Balance_Start_Diff	30	mV(±25mV)	5/2000			
Y	Shorts_Delay	300	นร	50/65000			
Y	Standby_Time	7200	Min	0/7200			
Y	Sleep_Time	60	Min	0/65535			
Y	UV_OFF_Time	28800	Sec	0/65535			
Y	LC_Style	4	N	0/10		3)Click	(2) password: "666666'
¥	Sleep_Cell_Volt	3.15	v	0/10			or "888888"
¥	Set_Full_charge_capacity	100	Ah	0/65535			01 000000
¥	Set_Remaining capacity	60	Ah	0/65535		Charlen Prod Davier Dullas 150 🔺	Change ******
					~		

4.5 "CONFIGURATION" INTERFACE FUNCTION SETTING

The functions of this part include system parameters read / write, reading BMS information, reading

/ setting switch status, data calibration and other

functions.

Family_BMS-V1.1.635-37-24	- D	×
INFO PARAM CONFIG STORAGE Ma	Storage	
Common Config Full Capacity 100000 🚖 mAH Wri Remain_Capacit50000 🖨 mAH Wri Nominal capaci100000 😤 mAH Wri	Cell Count(155(555) ~) Write	
SN Code	Read Write	
Adjust Clear Log Swich Online_Updata Part Charge: (1-5000mA) 1000	Paran2 Anti-theft Zero_Calib Adjust Reset Adjust String rate 2500 av	
	Status Change Password	

4.5.1 Modification of the battery capacity

Note: "Nominal capacity" represents the rated capacity, and "Full capacity" represents the actual full charge capacity

(1) Full capacity modification

If the actual capacity of the battery is quite different from the default battery capacity of the factory, the "Nominal capacity" should be modified at the same time, when the "Full capacity" is modified. For example, if the factory battery capacity is set to be 100 AH, but the actual battery capacity is 200 AH, then when the "Full capacity" is modified to 200 AH, the "Nominal capacity" also needs to be changed to 200 AH.



(2) Change the remaining capacity



4.5.2 Modification of battery strings

== Family_BMS-V1.1.635-37-24 ① Click	-	
INFO PARAI CONFIG STORAGE Lass Storage	② Change "cell count"	
Common Config Full Capacity 280000	Cell Courtiss(555) Verite Cell Courtiss(555) Verite Clik "Write"	
PCB Barcode Write	Clear	
SN Code	Read Write	
Adjust Clear Log Swich Online_Updata Parent Parent2 Ant: Zero_Ca Charge: (1-5000mA) 1000 ↓ Adjust Adjust Adjust Interpret (1-5000mA) Interpret (1-5000mA) 0 Adjust Adjust Interpret (1-5000mA) Interpret (1-5000mA)	i-theft Bett Code Enable switch lib Reset Reset Reset Neset Reset	
	Change Password	****
Status: Communication OK-COM5, addr= BMS: HY-PT003-B2001	.T55-V1.0.3 PCB BarCode: TBI23090400189	

Note: After the modification, the data related to the total voltage should also be modified. The wiring shall be adjusted according to different versions. Operation is not recommended. Please confirm with the Basengreen.

4.5.3 Forced dormancy function of upper monitor system



Note: 1. It is impossible to force the battery pack to sleep while charging.

2. If you need to wake up after forced dormancy, there are two operation modes, one is to press the reset (RTS) button on the battery pack, and the other is to charge the BMS.

4.5.4 Function "Remote control"

Note: 1. Whether the ordinary remote control function can be used depends on whether the hardware supports this function, and whether the hardware is configured, please refer to the specification.

2. This interface is usually recommended only for testing. If required, please confirm with the Basengreen.



4.5.5 Software upgrade

- Family_BMS	/1.1.635-37-24				. 🗆	×
INFO PAR	CONFIG STOR	AGE Tass Storage				
	①Click					
	③ Confirm th and B	BMS: HY-PT003-B200LT55-V1.0.3	PCB BarCode: TB123090400189	② Password: or "888 Change Password	"66666 388"	6"

nily_BMS-V1.1.635-37-24 ① Click		<u>-</u> 2	
PARAM CONFIG STORAGE Mass Storage			
umon Config			
all Capacity 280000 😴 mAH Write Cell Co	nt15S(555) ~ Write		
main_Capacit ⁵⁰⁰⁰⁰ 🗭 mAH Write			
minal capaci 280000 🗘 mAH Write Read	Sleep		
CB Barcode Write Clear			
	- 3		
SN Code	ad Write		
st Clear Log Swich Online_Updata Param1 Param2 Anti-theft Ba	t Code Enable switch		
in File Path			
	^		
	~		
Total	V Total p		
Total 3 Click	V Total p		
Total 3 Click 1 Load Bin One packet length Delay time(8	Total p		
Total 3 Click 10 Load Bin One packet length Delay time(8 1024 v byte 800 * max	Total p()		
Total 3 Click 1 Load Bin One packet length Delay time (8 1024 v byte 200 2 mar	0) Upgrade Frogress 100 % Clear		
Total 3 Click 1 Load Bin 2 Start	0) Upgrade Frogress 100 % Clear		
Total 3 Click 1 Load Bin 0 ne packet length 1024 w byte 800 m markst 1024 w byte	0) Upgrade Frogress 100 % Clear		
Total 3 Click 1 Load Bin 2 Start Stop Boot Ver: Start time	0) Upgrade Frogress 100 % Clear		
Total ③ Click ① Load Bin ② Start Stop Boot Ver: End Ting: Part Ting:	Total p Upgrade Frogress 100 % Clear Status		

- 打开文件							×
	3脑→桌面→				ٽ ~	在 桌面 中搜索	م
组织 ▼ 新建文件夹						EE 💌	. 0
4 林海滨间	名称 ① Choose	the file from E 修改日期	asengreen en 类型	gineer _{大小}			
	HY-PT003-B200LT55-V1.0.3(1).bin	2024/4/15 11:36	BIN 文件	168 KB			
	DR01_16S100JC03_V2.0.0_T1_V.bin	2023/10/7 14:41	BIN 文件	165 KB			
◆ N蛇 ボ	上位机英文截图	2024/5/8 16:57	文件夹				
🖞 文档 🖌	Donnav上位机截图	2024/5/6 17:20	文件夹				
📰 图片 🛛 🖈	直播OBS素材	2024/3/28 18:37	文件夹				
9.5	资料	2024/3/28 18:21	文件夹				
Donnav上位机截图	2023-09-11 家储锂电池管理系统V1.1.635-37	2023/10/26 17:14	文件夹				
上位机英文截图	达人上位机DR22.04.13	2023/10/7 14:19	文件夹				
資料	9.6	2022/9/20 14:25	文件夹				
Lut-t	9.5	2022/9/6 19:41	文件夹				
→ WPS云盘	📙 上位机	2022/9/5 19:46	文件夹				
OneDrive Bergens	直播稿	2022/9/5 19:46	文件夹				
S OneDrive - Persona	CP2102N系列 USB 2.0转RS485_422串口线驱动	2020/12/4 11:55	文件夹				
🔜 此电脑							
🧊 3D 对象							
📓 视频							
■ 图片							
皇面							
🟪 OS (C:)							
🕳 Data (D:)							
A 5349							
💣 网络							
文件名((N): penFileDialog1				~	单片机升级文件(*.bin)	~
2010							- 2017
					2 Click	打井(O) 尾	前

Family_B	3MS-V1.1.6	535-37-24															-	
FO I	PARAL	CONFIG	STORAGE	Iass	Storage	e												
Common	Config-										Π.			 				
Full (Capacity	280000	mAH	₩rite		Ce	ll Count	15S(555)	~	Write								
Remain	n_Capacit	50000	🗧 mAH	Write														
Nomina	al capaci	280000	🗧 mAH	Write	Read				1	Sleep								
PCB B	Barcode				Write	e C	lear											
SN	N Code						Read	Writ	te									
ljust	Clear Log	Swich 0	nline_Updata	Param1	Param2 A	nti-the	t Batt C	ode Enabl	le switch	h								
- Main F	ile Path																	
C:\Use	rs\YangWei	\Desktop\H	/-PT003-B200L	T55-V1.0.	3(1).bin						^							
						_												
G	1) Con	firm th	e versio	n of b	in file													
0	1) Con	firm th	e versio	n of b	in file													
Q	1) Con	firm th	e versio	n of b	in file													
Q	1) Con	firm th	e versio	n of b	in file													
0	1) Con	firm th	e versio	n of b	in file													
(1) Con	firm th	e versio	n of b	in file													
0	1) Con	firm th	e versio	n of b	in file													
C	D Con	firm th	e versio	n of b	in file						~							
đ	1) Con	firm th	e versio	n of b	in file		Total b17	1112	Total	1 p(168	~							
0	1) Con	firm th	e versio	n of b	in file		Fotal b17	1112	Total	1 p	~							
0	D Con	firm th	e versio	n of b	in file		Total b17	1112	Total	1 p 168	~							
	D Con	firm th	e versio	n of b	in file	Delay	[otal b][7	1112	Total	1 p{168	~							
1	D Con	firm th	e versio	n of b	ength yte	Delay 800	fotal b[17 time(800) ÷ ms	1112	Total	1 p(168	~							
0	1) Con	firm th	e versio	n of b	in file	Delay 800	fotal b[17 time(800) ≑ ms	1112	Total	1 p 168								
1	Dead B Coad B Cli Start	firm the	e versio	packet 1 24 v b	ength yte	Delay 800	fotal b[7 time(800) 🐑 ms	1112	Total Upgrade 1	1 p(168 Progress 10		Clea	ш.					
1	Den Load B Colling	firm the	e versio	n of b	ength yte	Delay 800	fotal b[7 time(800) 🐑 ms	1112	Total Upgrade 1	1 p 168 Progress 10		Clea	м.					
1	D Con Load B 2 Cli Start	firm th	e versio	packet 1. 24 v b	ength yte	Delay 800	fotal b[77 time(800) \$ ms	1112 U	Total Upgrade 1	1 p 168 Progress 10		Clec	и.					
() () (2)	Load B 2 Cli Start	firm the	e versio	packet 1. 24 v b	ength yte	Delay 800	fotal b time(800) time	1112	Total Upgrade 1	1 p(168 Progress 10		Clea	ar.					
() () (2) B	Load B 2 Cli Start Stop	in ick " Sta	e versio	packet lo 24 v b	ength yte	Delay 800	fotal b time(800)	1112	Total Upgrade h	1 p√168 Progress 10	× 1	cleo Statu	ar					
() () (2) B [Load B 2 Cli Start Stop	firm th	e versio	packet le 24 V b Start tim End Time:	ength yte	Delay 800	Total b[17 time(800) ≢ mx	1112 U	Total	1 p{168	×	cleo Statu	u r 18					

- Famil	y_BMS-V1.1.	635-37-24												- L	I X
NFO	PARA	CONFIG	STORAGE	Tass	Storage										
-Commu Ful Rem Nom PCE Adjus Mai:	on Config- l Capacity ain_Capaci inal capac 3 Barcode SN Code SN Code t Clear Log n File Path Jsers\YangWe	280000 t50000 ;280000 ; Swieh Dr ; Swieh Dr	 mAH mAH mAH mAH mAH mAH 	Write Write Write Param1 155-V1.0.	Read Write Paran2 Anti 3(1).bin	Cell Coun (155) Clear Read -theft Batt Code	(555) v Writ Sleep Write Enable switch								
		① Sta here w	art upgr ill be in	ade, greer	1	Total b[171112	Total p(16	8	2 After the which DO	e upgrad needs 2 NOT ope	le begins, t ~4 minute erate anyth	the pro s. Duri ning or	ogress is i ng this tii n this pag	runnin me, le	g,
C	2) Star Stop	t	102	:4 v b	yte 8	00 🚖 ms	Upgrade Progra	ss 100 % Cl	Lear						
	Boot Ver:			Start tim End Time:	e			Stat	tus			Cha	nge Password	*****	*



inglePack	MultiPa	icks Rec	ord Parallel group	display P	arallel	packet data storage	
Caption	Value	Unit	Caption	Value	Unit	MOS charge-discharge state	Normal Status
1	3, 292	V	Cycles	1	#	CHIC MOS ON OD Die MOS ON OD Charging	SOH:100.00%
2	3, 296	V	Full Bat Can	280.00	Ah	CHG_MOD ON UP DIS_MOD ON UP	41
3	3, 292	V	Remain Bat Can	140.00	Ah	CHG MOS OFF Dis MOS OFF Discharge	Alarmcode:
4	3 293	Y	Remain CHA Time	-	h		0:00:00:00:00:00:00:00:00:00
5	3 292	Y	Remain Dis Time	-	h		SOC:50.00%
ĥ	3, 295	v	TEMP1	27	n n	Other:	-
7	3 294	W	TEMP2	27	ř	Heat State Fan State Can waite	
R	3 293	Y	TEMP3	27	ř	heat State Fail State Gap waite	
- -	3 294	Y	TEMP4	27	ř		-
10	3 294	Y	MOS Temp	26	ř	Protection Status:	
11	3 294	v	Ambient Temp	30	ř	A	SN:BASEN-TEST1
12	3.291	W	Current	0.00	4		
13	3 294	W	SOH	100.00%	#		
14	3 293	Y	Jon	100.00%			
15	3, 293	Y				~	
16	3 295	v					
WIIS W	52 69	v				Alarm Status:	
V_DOM W AWG	3 293	v				~	Communication OK
WAX	3.296	Y					
WTN	3, 291	Y					No Current
V DIFF	0.005	v					
*_DII'I	0.000					v	Current_Limiter_Dis:
Max Vol	t 🗌 Mir	n Volt	Cell Balance	S/R_Statu	ıs: 2504,	/2492 (语言/Language) English 、	eck the
Open	COM5	~	DTP øddr 1	1000	0 0 0	communications and BMS ve	ersion
PoudPo	+- 9600	~	Pack Control	123	4 5 8	After confirm it then finished th	e upgrade
bauuKa	re [0000	-	1 dl.	∐ Para	aiiel pol	Anter committe, then missied th	apgrade
Aures Car	municatio	n OK-CON	5. addr= BMS: HY-P	m03-820011	55-W1 0	3 PCB BarCode: TBI23090400189	

Upgrade Notes:

(1) During the upgrade process, do not power off or switch to other operation interface. If there is half of the power off upgrade, refer to article 3 below to repair;

(2) If the corresponding bin file is selected, the program provided by the BMS manufacturer must be used;

(3) If the upgrade fails and re-operation is suggested. If the communication remains unchanged, the point will start upgrading. Press the board reset (RTS) button to be about 10S, which can connect the board to restart and upgrade again.

4.5.6 Anti-theft Settings

(1) Communication and anti-theft prevention

① Communication anti-theft function setting

After the communication anti-theft function is set successfully up, when the communication is interrupted for more than 48 hours, the battery is locked and the discharge MOS is turned off.

			- 🗆 X
INFO PARAL CONFIG STORAGE Lass	Storage		
Common Config			
Remain_Capacit ⁵⁰⁰⁰⁰ mAH Write	Cell Count 155(555) Vrite		
Nominal capaci 100000 🔹 mAH Write	Read Sleep		
PCB Barcode	Write Clear		
SN Code	Read Write		
	3 Click		
Adjust Clear Log Swich Online_Updata Param1	Param2 Anti-theft Batt Code Enable switch		
Anti-Theft Mode 4 Choose It 5 Clic	K Gyro information and configuration		
Comm anti-theft Read	Vernie menundo		
Phy_Anti-theft	A axis recoveryo		
Charge Activation Enable	Z axis zero Z axis zero		
Close_Security_Co Disable	Instal_Method Level ~ Read Set		
Gyro coordinate reading			
X-axis coordine 0 Read	Comm_Time 0 h Read Set		
Y-axis coordine 0	Comm_Poll Start		
Z-axis coordina 0			
		Clear ⑦ After fir	nish setting,
		it will sh	ow sucess
		Open OK	② Password: 888888
			Change Password
Station Commination of conf. alle- Duc, IN	PTD02_P2001 T55_V1_0_3	22000400190	

2 Communication anti-theft function is triggered

After the communication anti-theft function is enabled, when the communication is interrupted for more than 48 hours, the communication anti-theft is triggered, turn off and discharge the MOS, and report the "communication timeout locked", which can be viewed in the monitoring interface.

FO PA	ARAI	CONFIG	STORAGE Mass S	Storage			
nglePack	MultiP	acks Reco	ord Parallel group	display P	arallel p	acket data storage	
aption	Value 3.293 3.294 3.292 3.294	Unit V V V V	Caption Cycles Full_Bat_Cap Remain_Bat_Cap Remain_CHA_Time	Value 1 280.00 151.20	Unit # Ah Ah h	MOS charge-discharge state CHG_MOS ON Dis_MOS ON Charging CHG_MOS OFF Discharge	Normal Status SoH:100.00% AlarmCode: 00:00:00:00:00:00:00:00:00:00:00:00
5 7 8	3. 292 3. 295 3. 293 3. 293 3. 293 3. 292	V V V V V	Remain_Dis_Time TEMP1 TEMP2 TEMP3 TEMP4	 28 28 28 28 28	հ Մ Մ Մ Մ	Other: Heat State Fan State Gap waite	SOC:54.00%
.0 .1 .2 .3 .13	3. 294 3. 293 3. 291 3. 294 3. 293 3. 294	V V V V V	MOS_Temp Ambient_Temp Current SOH	26 31 0.00 100.00%	℃ ℃ ∡ #	Communication timeout lock	SN:BASEN-TEST1
16 V_SUM V_AVG V_MAX V_MIN V_DIFF	3. 294 52. 69 3. 293 3. 295 3. 291 0. 004	V V V V V V				-Alarm Status:	Communication OK No Current Current Limiter Disable
Max Wolt Open BaudRat	сож5 е 9600	n Volt ~ ~	Cell Balance	S/R_Stat 0 1 0 1 2 3	us: 13/7 0 0 0 4 5 6	(语言/Language) English v	

③ Communication anti-theft function to unlock

Family_BMS-V1.1.635-37-24	① Click					- C) ×
INFO PARAM CONFIG	STORAGE Tass	Storage					
Common Config				r			
Full Capacity 100000	🗧 mAH 🛛 Write	Cell Count 15S (555)	✓ Write				
Remain_Capacit50000	🔹 mAH Write						
Nominal capaci 100000	🔹 mAH 🛛 Write	Read	Sleep				
PCB Barcode		Write Clear					
SN Code		Read Writ	e				
		③ Click					
Adjust Clear Log Swich	Online_Updata Param1	Param2 Anti-theft Batt Code Enable	e switch				
Anti-Theft Mode		Gyro information and configurati	on				
🗹 Comm anti-theft	Read						
Phy_Anti-theft		X-axis recovery0 🗸 🗸	Read Set				
🗌 Charge Activation	Enable	7	7 min man				
Sleep voltage anti-th	eft	L axis fero	L AXIS LEIO				
Close_Security_Co	<pre>k Disable</pre>	Instal_Method Level 🗸	Read Set				
(4) Password: 6	54321 SC	ick "Disable"					
Gyro coordinate reading							
		Comm Time 0 h	Read Set				
X-axis coordine U	Read						
Y-axis coording 0		Comm_Poll	Start	6 it will	show success	as bel	ow
Z-axis coordine 0					/		
				Clear			
			r i i i i i i i i i i i i i i i i i i i		_		
				Unlock of	C		
			L. L		2 Pass	word: 8	88888
					Change Passwo	rd *****	*
	WE 11 - DWG TOT D	TOO3 D3001 TEE 11 0 3	Pap p. a. L. TTT0000	0400180			
atus: Communication OK-CC	mu, addr=. BMS: HY-P	1002-R700F102-A1.0.3	TCB BarCode: IBI2309	0400198			

④ Communication anti-theft function is turned off

== Family_BMS-V1.1.635-37-24 ① Click		– 🗆 X
INFO PARAE CONFIG STORAGE Eass S	torage	
Common Config Full Capacity 100000 🖨 mAH Write Remain_Capacit50000 🖨 mAH Write	Cell Count 155 (555) Vrite	
Nominal capaci PCB Barcode	Read Sleep	
SN Code	Read Write	
Adjust Clear Log Swich Online Updata Parami P Anti-Theft Mode Comm anti-theft Charge Activation Sleep voltage anti-theft Close_Security_Co	aran2 Anti-theft Batt Code Enable switch Coyro information and configuration X-axis recovery0 V Read Set Z axis zero Click Instal_Method Level V Read Set	
Gyro coordinate reading X-axis coordine 0 Read Y-axis coordine 0 Z-axis coordine 0	Comm_Time 0 h Read Set Comm_Poll Start	⑦ It will show as below after finsh setting
	Clear Open o	ok ② Password: 888888 Change Password
Status: Communication OK-COM5, addr= BMS: HY-PT	003-B200LT55-V1.0.3 PCB BarCode: TB123090400189	

4.5.7 Write to the battery SN CODE

Note: Write SN code is usually written in the SN code part.

Family_BMS-V1.1.635-37-24 ① Click	C		
FO PARAI CONFIG STORAGE Hass Common Config Full Capacity 100000 🖨 mAH Write Remain_Capacit50000 🖨 mAH Write Nominal capaci100000 🖨 mAH Write PCB Barcode SN Code 2 Write SN code Adjust Clear Log Swich Online_Updata Param	Storage Cell Count[155(555) Vrite Read Sleep Write Clear Read Write 3 Click "Write" 4 Write "Read" Param2 Anti-theft Batt Code Enable switch		
Charge: (1-5000mA) 1000 🗼 Charge: (>5000mA) 5000 🗼 0 DisCharge: (1-5000mA) 1000 🗼 0 DisCharge: (>5000mA) 5000 🗼 0 Calibration Cell Voltage All Calib Mon_Num 16	Zero_Calib Adjust Reset Adjust Reset Adjust Reset Adjust Reset ration \Rightarrow String		
1 2500 mV Calibrate Point A Calibrate Point B Point	ate B 2500 mV 3300 mV Clear		
	Status Open OK Change Passw	ord *	****

4.5.8 Opening and closing of the protection and alarm functions

Family_BMS-V1.1.635-37-	²⁴ ① Clic	k							
NFO PARAT CUNF	IG STORAGE	Tass Storage							
Common Config Full Capacity 280000 Remain_Capacit 151200 Nominal capaci 280000 PCB Barcode SN Code Adjust Clear Log Swich Protect enable set Read Set s_All Cell_0V_Prot Cell_0V_Prot Cell_0V_Prot Cell_0C_Prot1 DSG_0C_Prot2 Short_Circ_Prot DSG_0C_Prot2 Short_Circ_Prot DSG_0C_Prot2 Short_Circ_Prot DSG_0T_Prot DSG_1T_Prot DSG_1T_Prot MOS_MT_Prot	Image: mail of the second s	Write Read Write Read Write Read Image: Second Seco	Cell Coun [15]	55(555) v	Write Sleep	this	s page can choose ect or alarm functio	n	(
						Clear Write Sun	rplus Capacity OK	Password	l: 88888

4.6 "STORAGE" INTERFACE FUNCTION SETTING

These functions include reading historical data, clearing historical data, exporting historical data,

setting the storage interval time and other functions.

4.6.1 Read and write for the system time

Note: If the displayed system time is inconsistent with the computer time, manually calibrate by clicking 'Write System Time'. Ensure the computer time for the upper monitor system is accurate.

🚟 Family_BMS-V1.1.635-37-24	– 🗆 X
INFO PARAL CONFIG STORAGE Lass Storage	④Click and write
	② Click system time
1) Click	
	Read BMS Time 2024-05-08 17:00:19 Write System Time
	③ here show
	General Storage the system time
	Sava
	Read Record 400 (ms)delay Record
	.0
	Stop_Read Delete Record
	Interval line (min) mrite Read
	Status
Status: Communication OK-COM5, addr=: BMS: HY-PT003-B200LT55-V1.0.3 PCB BarCode: TB123090400189	

4.6.2 Reading of historical data

Note: If you need to read the complete historical data, you can only click the "Read Record" button once. Please wait patiently. After the data reading is completed, "Read Storage Record End" will be displayed.

== Family_BMS-V1.1.635-37-24	– 🗆 X
INFO PARAI CONFIG STORAGE Lass Storage	
 If need to check the history data, click "STORAGE" 	Read EMS Time 2024-05-08 17:00:19 Write System Time
② Click " Read Record"	General Storage Read Record 0 Stop_Read Delete Record
	Interval Time 60 🚖 (min) Write Read
	Status
Status: Communication OK-COM5, addr= BMS: HY-PT003-B200LT55-V1.0.3 PCB BarCode: TBI23090400189	

"Read stored data Record" will appear.

= Fa	amily_BMS-V1.1	. <mark>635-37-24</mark>							- 0
INFO	D PARAI	CONFIG STORAG	E Tass Stora	ige					
ID	Time	Alarm Code	PCB_Code	Pack_Code	Cell Count	CELLO1	CELLO2	CI ^	
1	2 <mark>024-05-09 14</mark> .	20.51 Timing record	TBI23090400189	BASEN-TEST1	16	3293	3294	32:	Read BMS Time 2024-05-09 11:29:38 Write System Time
2	2024-05-09 13.	21.51 Timing record	TBI23090400189	BASEN-TEST1	16	3292	3295	32:	
3	2024-05-09 12.	22.51 Timing record	TBI23090400189	BASEN-TEST1	16	3294	3295	32	
4	2024-05-09 11.	23.51 Start system occ	urs TBI23090400189	BASEN-TEST1	16	3293	3295	32:	General Storage
5	2024-05-08 18.	49.54 Exit system occu	rs TBI23090400189	BASEN-TEST1	16	3293	3294	32:	
6	2024-05-08 18.	41.32 Start system occ	urs TBI23090400189	BASEN-TEST1	16	3294	3295	32:	Read Record 400 (ms) delay Save Record
7	2024-05-08 18.	41.23 Exit system occu	s TBI23090400189	BASEN-TEST1	16	3294	3295	32:	35
8	2024-05-08 18.	10.43 Timing record	TBI23090400189	BASEN-TEST1	16	3293	3294	32:	Stop Read Delete
9	2024-05-08 16.	44.19 Start system occ	urs TBI23090400189	BASEN-TEST1	16	3292	3295	32	Kecord
10	2024-05-08 13.	50.53 Exit system occu	rs TBI23090400189	BASEN-TEST1	16	3293	3295	32:	
11	2024-05-08 13.	47.45 Start system occ	urs TBI23090400189	BASEN-TEST1	16	3294	3295	32:	
12	2024-05-08 11.	29.27 Exit system occu	s TBI23090400189	BASEN-TEST1	16	3293	3295	32:	
13	2024-05-08 11.	08.29 Start system occ	urs TBI23090400189	BASEN-TEST1	16	3294	3295	32:	Interval Time OU 💌 (min) Write Kead
14	2024-05-06 19.	59.29 Exit system occu	rs TBI23090400189	BASEN-TEST1	16	3293	3295	32:	
15	2024-05-06 19.	30.49 Timing record	TBI23090400189	BASEN-TEST1	16	3293	3294	32:	
16	2024-05-06 18.	30.49 Timing record	TBI23090400189	BASEN-TEST1	16	3293	3294	32:	
17	2024-05-06 17.	30.49 Timing record	TBI23090400189	BASEN-TEST1	16	3293	3294	32:	
8	2024-05-06 16.	30.49 Timing record	TBI23090400189	BASEN-TEST1	16	3293	3295	32:	
19	2024-05-06 15.	30.49 Start system occ	urs TBI23090400189	BASEN-TEST1	16	3293	3295	32:	
20	2024-05-05 10.	22.33 Exit system occu	s TBI23090400189	BASEN-TEST1	16	3293	3295	32:	If showing " Reading storage recod",
21	2024-05-05 10.	21.25 Start system occ	urs TBI23090400189	BASEN-TEST1	16	3293	3295	32:	it means the opeartion not finished ve
22	2024-04-30 10.3	22.00 Exit system occu	s TBI23090400189	BASEN-TEST1	16	3294	3295	32:	Please wait patiently
23	2024-04-30 10.	20.45 Start system occ	urs TBI23090400189	BASEN-TEST1	16	3294	3296	32:	Flease wait patiently
24	2024-04-29 13.	58.47 Exit system occu	rs TBI23090400189	BASEN-TEST1	16	3294	3295	32:	
25	2024-04-29 13.	56.32 Start system occ	urs TBI23090400189	BASEN-TEST1	16	3293	3296	32:	
26	2024-04-18 17.	56.10 Exit system occu	s TBI23090400189	BASEN-TEST1	16	3293	3296	32:	
27	2024-04-18 17.	56.10 Start system occ	urs TBI23090400189	BASEN-TEST1	16	3293	3296	32:	
28	2024-04-18 17.	06.34 Exit system occu	rs TBI23090400189	BASEN-TEST1	16	3294	3296	32:	¥
29	2024-04-18 17.	06.25 Start system occ	urs TBI23090400189	BASEN-TEST1	16	3294	3295	32:	
30	2024-04-17 14.	59.48 Exit system occu	s TBI23090400189	BASEN-TEST1	16	3293	3295	32:	CARL PROPERTY AND A DESCRIPTION OF A
31	2024-04-17 14.	47.12 Start system occ	urs TBI23090400189	BASEN-TEST1	16	3294	3295	32: ~	Keading storage record
tatu	s: Communica	tion OK-COM5, addr=	BMS: HY-PT003-H	200LT55-V1.	.0.3	F	PCB Bar	Code: TB	3123090400189

4.6.3 Conservation of historical data

To save the complete historical data, please perform the operation as shown in the figure below.

F	amily_BMS-V1.1	635-37-24										- 🗆 ×
INF	0 PARAL	CONFIG	STORAGE	Tass Stora	ge							
ID	Time	Alarm	Code	PCB_Code	Pack_Code	Cell Count	CELLO1	CELLO2	CELLO3	CELLO4	CEL ^	
1	2024-05-08 16.4	4.19 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3292	3295	3292	3293	329:	Read BMS Time 2024-05-08 17:10:29 Write System Time
2	2024-05-08 13.5	0.53 Exit sy	ystem occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3293	3294	329:	
3	2024-05-08 13.4	7.45 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3294	3295	3292	3292	329:	② Click here to
4	2024-05-08 11.2	9.27 Exit s	ystem occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3293	3293	3292	General Storage save record
5	2024-05-08 11.0	8.29 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3294	3295	3293	3294	329%	
6	2024-05-06 19.5	9.29 Exit sy	ystem occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3291	3293	329:	Read Record 400 (ms) delay Record
7	2024-05-06 19.3	0.49 Timing	record	TBI23090400189	BASEN-TEST1	16	3293	3294	3292	3292	329:	380
8	2024-05-06 18.3	0.49 Timing	record	TBI23090400189	BASEN-TEST1	16	3293	3294	3292	3293	3292	Stop Read Delete
9	2024-05-06 17.3	0.49 Timing	record	TBI23090400189	BASEN-TEST1	16	3293	3294	3292	3293	329:	
10	2024-05-06 16.3	0.49 Timing	record	TBI23090400189	BASEN-TEST1	16	3293	3295	3292	3293	329;	
11	2024-05-06 15.3	0.49 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3294	3294	3292	
12	2024-05-05 10.2	2.33 Exit sy	ystem occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3293	3293	3292	Interval Time 59 (nin) Write Read
13	2024-05-05 10.2	1.25 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3293	3294	329:	Interval Inne v (milly mille head
14	2024-04-30 10.2	2.00 Exit sy	ystem occurs	TBI23090400189	BASEN-TEST1	16	3294	3295	3293	3295	329:	
15	2024-04-30 10.2	0.45 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3294	3296	3293	3293	329%	
16	2024-04-29 13.5	8.47 Exit sy	ystem occurs	TBI23090400189	BASEN-TEST1	16	3294	3295	3293	3294	329(
17	2024-04-29 13.5	6.32 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3293	3296	3292	3294	3292	
18	2024-04-18 17.5	6.10 Exit sy	ystem occurs	TBI23090400189	BASEN-TEST1	16	3293	3296	3293	3294	329(
19	2024-04-18 17.5	6.10 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3293	3296	3293	3294	329:	
20	2024-04-18 17.0	6.34 Exit sy	ystem occurs	TBI23090400189	BASEN-TEST1	16	3294	3296	3292	3293	3292	
21	2024-04-18 17.0	6.25 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3294	3295	3293	3294	3291	
22	2024-04-17 14.5	9.48 Exit sy	ystem occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3293	3293	3292	
23	2024-04-17 14.4	7.12 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3294	3295	3293	3293	3292	
24	2024-04-17 14.4	1.19 Exit sy	ystem occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3292	3294	329%	
25	2024-04-17 14.2	0.36 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3294	3296	3293	3293	329%	
26	2024-04-16 14.1	8.06 Exit sy	ystem occurs	TBI23090400189	BASEN-TEST1	16	3294	3295	3293	3294	3292	
27	2024-04-16 14.1	7.34 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3294	3296	3293	3294	3292	
28	2024-04-16 14.1	7.25 Exit sy	ystem occurs	TBI23090400189	BASEN-TEST1	16	3294	3294	3293	3294	329(O if and a second start birty of the
29	2024-04-16 14.1	5.58 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3294	3296	3294	3294	3292	(1) If needs completed history data,
30	2024-04-15 11.4	8.59 Exit sy	ystem occurs	TBI23090400189	BASEN-TEST1	16	3294	3295	3293	3293	329(wait for showing as below.
31	2024-04-15 11.4	7.01 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3294	3295	3293	3293	329(
32	2024-04-15 11.3	4.35 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3294	3296	3293	3294	329(To constant a second second second
33	2024-04-08 19.1	3.51 Start :	system occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3294	3294	329%	to reau the stored record end
<							140.00				>	
Statu	as: Communicat	ion OK-COM	M5, addr≕ B	MS: HY-PT003-B	200LT55-V1.	0.3	F	CB BarC	Code: T	BI23090	400189	

4.6.4 Interval modification

<u> </u>	amily_BMS-V1.	1.635-37-24										- 🗆 X
INF	D PARA	CONFIG	STORAGE	Tass Stora	ge							
ID	Time	Alarm	Code	PCB_Code	Pack_Code	Cell Count	CELLO1	CELLO2	CELLO3	CELLO4	CELLOS	
1	2024-05-08 16.	44.19 Start	system occurs	TBI23090400189	BASEN-TEST1	16	3292	3295	3292	3293	3293	Read BMS Time 2024-05-08 17:10:29 Write Surtem Time
2	2024-05-08 13.	50.53 Exit s	ystem occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3293	3294	3291	Real bio Time Corr of Orith Step Inter System Time
3	2024-05-08 13.	47.45 Start	system occurs	TBI23090400189	BASEN-TEST1	16	3294	3295	3292	3292	3292	
4	2024-05-08 11.	29.27 Exit s	ystem occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3293	3293	3292	General Storage
5	2024-05-08 11.	08.29 Start	system occurs	TBI23090400189	BASEN-TEST1	16	3294	3295	3293	3294	3292	
6	2024-05-06 19.	59.29 Exit s	ystem occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3291	3293	3291	Read Record 400 🔹 (ms)delay Save Record
7	2024-05-06 19.	30.49 Timing	; record	TBI23090400189	BASEN-TEST1	16	3293	3294	3292	3292	3291	16
8	2024-05-06 18.	30.49 Timing	; record	TBI23090400189	BASEN-TEST1	16	3293	3294	3292	3293	3292	Ct. P. J. Delete
9	2024-05-06 17.	30.49 Timing	record	TBI23090400189	BASEN-TEST1	16	3293	3294	3292	3293	3292	Record
10	2024-05-06 16.	30.49 Timing	record	TBI23090400189	BASEN-TEST1	16	3293	3295	3292	3293	3292	③ Click
11	2024-05-06 15.	30.49 Start	system occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3294	3294	3292	"Read"
12	2024-05-05 10.	22.33 Exit s	ystem occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3293	3293	3292	
13	2024-05-05 10.	21.25 Start	system occurs	TBI23090400189	BASEN-TEST1	16	3293	3295	3293	3294	3293	Interval Time 59 🔶 (min) Write Read
14	2024-04-30 10.	22.00 Exit s	ystem occurs	TBI23090400189	BASEN-TEST1	16	3294	3295	3293	3295	3291	① write the
15	2024-04-30 10.	20.45 Start	system occurs	TBI23090400189	BASEN-TEST1	16	3294	3296	3293	3293	3292	interval time ② Click"Write"
16	2024-04-29 13.	58.47 Exit s	ystem occurs	TBI23090400189	BASEN-TEST1	16	3294	3295	3293	3294	3293	interval time
								100000			1.0007	
												④ Display below text indicates success
												Vrite the interval time of success
<											>	L
tatu	us: Communica	tion OK-,	addr0fail B	MS: HY-PT003-B	200LT55-V1.	.0.3	F	CB Bar	Code: T	BI23090	400189)

4.6.5 The BMS inverter needs to be selected

In the "INFO" interface, open the "Parallel group display" and show that the customer sees the CAN type and 485 type, and selects the protocol according to their own needs to confirm the communication between BMS and the inverter

EFamily_BMS-V1.1.635-37-24 NFO PARAT CONFIG STORAG inglePack MultiPacks Record Para	E Mass Storage llel group display F <mark>a</mark> rallel packet da	ta storage	-	
0 1 2 3 4 5 6 7 16 17 18 19 20 21 22 23 Intervals 4000 ÷	8 9 10 11 12 13 14 15 24 25 26 27 28 29 30 31 Read Count:	Address 0 ~ Now address: Status:	CAN type Fylon V Read Set 485 type Fylon V Read Set	
Pack Volt 0 V Pack Curr Remain_Ca 0 Ah Full_Cap	0 A SOC 0 % SOH 0 % 0 Ah Cycles 0 Times	CHG_MOS_ON	DISG_MOS_ON Charge Discharge	
Caption Value Unit	Caption Value Unit	Volt V Curr A Max_Cell_V NV Min_Cell_V NV Charge Discharg	Iftal_tap AA Bemain_Cap AA Max_Batt_T 'C Max_Amb_T 'C Min_Batt_T 'C Min_Amb_T volt high alarn Volt low alarn	
		Protect		< > < >
		Fault		~
				Ŷ

5. PRECAUTIONS FOR USE

1. Open the software by default to the operator management permission, can only do data reading and other functions, if you want to modify the parameters, then you want to log in the administrator permission first.

- 2. The software only supports the PC Windows system, and other platforms (Android or IOS) cannot run.
- 3. Before using the software, it is best to install office 2007 version above office 2007 to facilitate the data export into EXCEL table.
- 4. The above upper machine operation interface as a reference, different versions of the upper machine operation page will be different, the specific operation steps should be based on the actual operation interface.