

Operation instruction of upper computer

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→. Oparation instructions of upper computer

1.1. Upper computer connection setting



1.2. Setting parameter

1.Customers need to confirm with the BMS	2.Basic parameter settings can be downloaded
manufacturer before changing the parameters.	according to customer needs. The parameters
The corresponding alarms and protections in	are divided into individual download and full
the parameters are related to each other.	download (separate download can only be
Non-professionals should not operate and	used for testing, and the parameters of
change the parameters (the charging and	individual download are discarded and not
discharging status is not allowed to change the	saved after the BMS is turned off)
parameters)	



80. COM3 - \$	13: 2 Pack #01	<mark>⊙ · ■</mark> #±	• 10	- Q #X	R 204	Q -88	10 0 -976	₿.eu	
并约成3 新闻型 基本参数	2 2 2 40 15 78	TTADERI ATENCE	, A1	10200	功能开关	BOTTAR			enen
#9	42.82	当前使用酒	141		# 9		名称	当前世用酒	1017
1	电公益意取任 (num)	4		÷ 👻 🗄		51	5-8077-9100ml	OFF	
2	年初包治节数(num)	16	4	2		52	静在行动状态	ON	
1	(V)成料田原田谷	54.00		2		53	REPRESE	ON	
4	总压载压背壁(V)	56.00	4	÷ 🛨 👘		54	socra/#ap	Off	* *
5	他压过压的器(V)	54.00		÷		55	主的形式	017	* *
6	他回过日###(V)	57.60	4	2		56	NICE	OFF	
7	但注意注印第(V)	48.00		÷ 👻		57	均衡额动开启	ON	* *
	总压纵压跨额(V)	46.40		÷ 单		58	新-0-10-00-00-00	ON	4 2
9	总压欠压按测(V)	48.00		÷ 单 👘		59	静态的美容时	ON	* *
10	他压欠压保护(V)	43.20	4	÷ 单		60	经温频上均衡	ON	÷ *
11	单体覆压的瘤(V)	8.400		÷ 单		66	LCD显示功能	ON	* *
12	单体毫压性管(V)	2.500		2		70	气温医检测功能	OFF	÷ 😟
13	单体过压控第(V)	3.400		÷ 👱 👘		71	气温胶苹胶模式	OFF	* *
14	单体过压保护(V)	3.650		÷ 👱 👘		72	社会設備支計後	ON	4 2
15	帶体/E/E/E/2000(V)	3.100		÷ 👱 👘		73	NTCROL	ON	* *
56	单体低压压留(V)	2.900		÷ 单 👘	STANJO IN				
17	单体穴压标案(V)	2.100		÷ 👱 👘	元化成用				
18	单体欠压保护(V)	2.700		2	9(0FD)	16	*	1000 2000	
19	电芯欠压失效(V)	2.000		÷ 👱 👘					
20	帶沫压服保护(V)	0.200		2	09570	ZXH16S100	A-TEST01	1000 000	

THEFT ELEVEN	B TAXADB MADA	10000	enc.		200			
基本参数		074	100	功能开关				105.01
17.5 (D.4	100793	1	1	94	2.0	april 1	τa	84
1 (Darmer Barrier Land	w) /				C. NOTTING	0.00		
2 ###25120(047	16	4 9			C) ###51/198	ON		
1 点于服于标制(V)	54.00	4 9			12 manufation	ON		
4 然压集压造钢(V)	56.00	4 2			54 SOCIEMEN	OFF		
5 他压过压时(10/V)	54.00	4.4			11 ±m0/m	017		
6 INTERTROPIN	57.60	4 2			56. 1612/02/0	OFF		
7 总江乐江时期(V)	48.00	4 2			57 均衡模块开启	ON		
■ 总压纵压声输(V)	45.40	4 2			SA BADIORERS	ON		
9 总压欠压技制(V)	45.00	* *			19 (MIS-19)(K-80)	ON		
10 他压火压缩的(V)	43.20	÷ 😟			60 超音频止约板	ON		+ *
11 单体覆压线器(V)	3.400	÷ 😟			66 LCD图示动编	ON		
12 单体毫压清偿(V)	3.500	÷ 🖄			70 4585168536	OFF		
13 单体过压标制(V)	1.400	* *			71 代意祝驾客制度式	OFF		* *
14 单体过压保护(V)	3.650	÷ ±			72 经流路温度补偿	ON		* 2
15 单体低压的面(V)	3.100	÷ 👱			73 NTC(\$)(\$	ON		÷ 🛨
16 单体低压压器(V)	2.900	🔶 👻		120107-00				
17 单体只压线数(V)	3.100	* *		HUNDER				
18 单体欠压保护(V)	2.700	* *		电池带数	16 v	10.02	10.00	
19 电芯欠压失效(V)	2.000	* *						
20 節体圧酸((II)(V)	0.200	* *		设备名称	ZXH165100A-TEST01	10.03	10.00	

3.The function switch setting can be turned on and off according to the customer's choice of function. The function switch is divided into individual download and full download (single download can only be used for testing, and the parameters of the individual download BMS are discarded and not saved after shutdown) 4.The first three setting parameters are not recommended for customers to use. It is best for customers to configure the parameters through the BMS manufacturer and load the parameters - one-click download

- 2043	🕼 🖽 🗹 Pack #01	◎ * ■ #止 ◆ 1	<u></u> Q 8x	₽ net	Q-BRE Q-BAE	₽ ##		1802: COM3 -	🗱 🖽 🖬 Pack #01	◎ * ■標止 4	1.04 1.05	E Rue	0-910 0-970	6 9☆	
规范	系统监控 参数管理	开笑控制 其他设置	实时数据 历史	数据 在线	升级			并机概范	系统坚控 参数管理	开关控制 異他设置	实时数据 !	历史数据 在於	errise 🕹		
参数			设置参数	功能开关			说图伊教	基本参数			设置条数	功能开关			
	2.8	100508 Sin		99	88	100000	sin'r	19-19	28	100570E S	'n	84	27	当给使用描	5
	1 地区温泉政府 (num)	4	🔶 👻 👘		51 4-8577-9-0481	OFF	A		1 地区温度取用 (num)	4	÷ 👻 🗄	+	51 05207-04446	OFF	
	2 #806/61780(num)	16	÷ 2		52 (\$45/985/e8)	ON	4 9		2 本部电话节数(num)	16	* *		52 Biostantucia	ON	
	3 他压缩压的第(V)	54.00	* *		53 500028	ON	4.4		3 他压缩压动能(V)	54.00	* *		53 (F####P#	ON	
	4 他因毫正告疑(V)	56.00	* *		54 SOCIERIP	OFF	4.4		4 他还是在古田爱(V)	56.00	* *		54 SOCIERIO	OFF	
	5 @江江江印刷(V)	54.00	* *		55 主动用酒	OFF			5 8/22/25/68(V)	54.00	* *		55 主动用店	OFF	
	6 总压过压保护(V)	57.00	* *		56 被助探流	OFF	4 2		6 总压过压缩94(V)	57.60	* *		54 被助限度	OFF	
	7 然压低压抑制(V)	48.00	٠.		57 均衡機停开向	ON	÷ 2		7 然压低压放制(V)	48.00	* 👱		57 约斯號快开曲	ON	
	8 他压压压器器(V)	45.40	٠ 호		58 静念的影响示	ON	* *		8 : 他压压压否留(V)	45.40	۰ 😟		58 静态均衡指示	ON	
	9 创立元正经第(V)	48.00	۰ 👱		59 ###10#####	ON	* *		9 包括式目标和(V)	43.00	÷ 👱		59 #kt/tbillelikt	ON	
	10 总压欠压保护(V)	43.20	÷ 🛨		(0) 経営禁止均衡	ON	4 ž		10 总压欠压保94(V)	41.20	* *		60 総置禁止均衡	ON	
	11 他试想任印第(V)	3,400	÷ 👱		66 LCD 显示功能	ON	* 2		11 单体现田环期(V)	3.400	* *		66 LCD型开动机	ON	
	12 单体覆压器器(V)	8.500	٠ 单		70 气溶和性泡动能	011	* *		12 单体度任告留(V)	3.500	* 👱		70 *\$8815808	017	
	13 单体12月19(案)(V)	3.400	٠ 👱		71 气油胶带新模式	OFF	* *		13 单体过程的器(V)	3.400	۰ 👱		71 代启经常新聞式	OFF	
	14 单体过压保护(V)	2.650	٠ 👱		72 检济器温度补偿	ON	单 单		14 单体过压病(V)	3.650	* 👱		72 检测器温度纠纷	ON	
	15 单体低压控制(V)	3.100	÷ 👱		78 NTCRM	ON	4 2 u		15 单体低压状剂(V)	3.100	* *		73 NTCHO	ON	
	16 单体低压压器(V)	2,900	÷ 😟	SEALO IN					16	2.500	* 👱	54.0527.00			
	17 单体灾压的窗(V)	8.100	٠ 👱	RISCH					17 单体灾压统器(V)	3.100	۰ 👱	RIGHT			
	18 单体穴压痕护(V)	2.700	* 👱	6(0FD)	16 *	1000 1000			18 单体欠压例9A(V)	2.700	🔶 👱	80.82	16 v	1010 1010	
	19 电芯欠压失效(V)	2.000	* 2						19 电芯欠压失效(V)	2.000	* *				
	20 他体压爱保护(V)	0.200	÷ 👱	295270	2XH16S100A-TEST01	1000 1000			20 他体压爱保护(V)	0.200	* *	2820	ZXH165100A-TEST01	1000 1000	
	21 网络骨龄的窗(V)	0.100	A 🔶 🗵						21 序幕型Mith/型(V)	0.100	A 4				
							(Construction)	57.000							

1.3. Inverter matching settings

In the other settings of the upper computer, there are manufacturers and communication modes corresponding to the inverter, please set the corresponding protocol according to the current inverter protocol	The SN code is divided into BMS-SN (manufacturer's SN) and PACK-SN (reserved PACK factory's SN)
Importantial contraction processes Importantial contraction proceses	



1.4. Data record

Real-time data	Historical data
The PACK factory monitors the BMS data	It is necessary to view the original status,
during the charging and discharging cycle, and	alarm/protection data, and all stored data of
the real-time recording function can be turned	BMS can be read through historical data
on, which can be manually saved to the	
computer; if you forget to save the real-time	
data, you can find the Real Time Record folder	
in the upper computer folder	
Ва смл - Ф 25 5 № 410 - ВК _ 2 смс В _ Фах _ Влане _ Бак _ 2 смс В _ Фах _ Влане _ Баклена _ Влане _ Влане _ Влане _ Влане _ Влане _ 3 смала _ 4 _ 3 смала	
序号 Pack# 可用 便子 回用 回用 回用 回用 回用 回用 回用 回用 IOC 1 1 2021/04/16/15/55 640 平 5241 0.00 4650 100.00 0 465	月号< 利用 株式 展標 日気(1) 日気(3) 株式(2011) 日気(3) 株式(2011) 日気(3) 日 日 日 日 日 日 日 日 日 日 日 <th1< td=""></th1<>
	2 2023-04-16 15:10 #MS 死 53:06 0.62 48:30 3.316 3.316 3.316 3.316
	3 2023-04-161550元 原理 光 52,00 9,30 442,0 3,311 3,313 3,312 1,311 4 2013 1,11 1,11 1,11 1,11 1,11 1,11 1,11 1
	5 2023-04-16 15:08. 15% T. 52.81 -20.74 46.40 3296 3.301 5.00 150
	6 2023-04-16 1508時代 无 正在上中金統元世界部員書 86.84% 取済 13.01 3.301 3.300 3.30
	7 2029-04-16 1006
	9 2023-04-18 1508 放电 无 26.081 - 40.201 1300 3.803 3.803 3.800 1.00
	10 2023-04-161567冊R 无 S2.81 0.76 49.70 3.360 3.331 3.300 3.80
	11 0000199119175-00% 元 30.09 49.80 3.00 5.01 5.30 5.80 12 2023-04-161507 例明、 光 52.83 0.77 49.80 3.301 2.302 2.301 2.30
	13 2023-04-18 15:00 柳机 无 53.01 0.76 40.00 1.313 1.313 1.313 1.313
	14 2023-04-161500. 19第 光 52,96 8,39 49,80 3,309 3,310 3,310 3,311 15 0023-04-161549 (編4) 正 52,96 0,77 46,99 2,314 0,557 3,570 3,571
	16 2023-04-161459 伊明、 光 32,81 0,76 49,80 3,300 3,301 3,300 3,30
	17 2023-04-10 14:58 15時 光 52,81 -47,81 40:50 3.256 3.301 3.300 3.30
	18 2025-04-16 1435… 時代 天 52,83 0.78 49,00 3,301 3,301 3,301 3,301 1,3
in a second of the second of t	Image: Control and the second state Image: Co
Rites 2.00 Annumeror	
THE OF THE OTHER OTHER OF THE OTHER OTH	U PORALY P

1.5. Upgrade program

Click to start the upgrade software, and the upgrade software box will pop up	Select the corresponding serial port, the baud rate is 19200, the stop bit is turned on, click to browse and find the corresponding upgrade program, and finally click to download; the LED light is in the marquee state during the upgrade process, and the BMS is turned off
	after the program upgrade is OK, and it needs to be restarted
AND AND VIANO RECONCE VIANO RECONCE RECONCE INCOME	UpdateBMS V2.1 中口号: COM3 波特率: 19200 校验位: None 数据位: 8 停止位: One 关闭 逐。 选择程序文件: 选择文件: 48100_APP_V1.10a[20230329].ehex 浏览 程序下载 4 3



1.6, Switch between Chinese and English

Prompt	to re	start tl	he ho	ost	со	mpι	uter	when	Pron	npt to	o rest	tart tł	ne hos	t co	mpı	uter	when
switchi	ng Chi	nese, a	and it	t w	/ill	aut	om	atically	swite	ching	to Er	nglish,	and it	will	aut	oma	atically
open af	ter res	tarting	the ho	ost	cor	npu	ter		oper	n after	⁻ resta	rting t	he hos	t cor	npu	ter	
BMSSTUDIO V1.6.0 開日: COM3 - 章 井印用版 系统运行	10 25: 💆 Pack #01 🙆 - 学数管理 开关注制	 第止 10 10 10 10 	■#x 历史数据 4	回线开版				- 8 X	Part: COMB + Parallel View	System Monitor	veck #01 v r Parameter Mar	€Start 100 agement Switch C	Message ontrol Other Settings	Real-Time D	ita Histor	y Data On	- 0 X
49.3 (M) (#88)	52.80 april 10.00	元が印度 Ah 新会智慧49.30 Ah	基本信息 205 BMR28	取損 49.30	Ah *	电芯电压 4/8 电201	政道 3.299	Halfi V	$\mathbf{\bullet}$	=% son-s	TotalV -V TotalCap-Ah	TotalCur -A RemainCap- Ah	Basic Info Name Va Remaining capacity -	lae Ah ^a	Cell Volta Name Cell01	ge Info Value	balance V
*************************************	298v 3mV	27.6°C	 日初登 たび市地量 SOH 銀石/2数 平均和/23章 	0 100.0 0 26.6	Ah Ah Si times	45202 45203 46204 46205 86205	1,299 1,300 3,300 3,300 1,298	v v v v	MarCallV -V Pos-	MinCellV -V Pos-	DiffCellV −mV	MaxCellT −°C Pos-	Total capacity - Total discharge capa SOH - Cycle - Averag of cell tempe	Ah Ah Simes	Cell02 Cell03 Cell04 Cell05 Cell05		v v v v
开关状态信息	REFERE EN7 EEELDE	10hHXH8	単称地方品数 単位地方品数 単位地方出現 単位地方的単元 単位地方の単元	27.6 25.8 80 39	27 X A A	時2507 時2508 時2509 間2510	1.258 5.300 3.300 3.300	v v v	Switch statu Discharge FET o Equilibrium mo	is info 	Current Fimiting FET on) librium indicate) (Equali	Heating on	Max cell temperature - Min cell temperature - Max discharge current - Max charge current -	2 2 A 4	Call07 Call08 Cell09 Cell10		v v v
告警保护信息			RUSSIER1 用2010年3 用2010年3 用2010年4 約1日日日 約2日日日 第3日日 第3日日日日 第3日日日日 第3日日日 第3日日日 第3日日	23.8 27.6 25.9 28.4 26.0		地口17 地芯12 电芯13 电芯14 电芯15 地芯16	3.300 3.300 3.300 3.300 2.300	v v v v	Alarm Prote	ect Info		•	Cell temperature 2 - Cell temperature 3 - Cell temperature 4 - Ambient temperature - Power temperature -	2 2 2 2 2 2 2 2	Cel12 Cel13 Cel14 Cel15 Cel15		v v v v v

1.7, Parallel monitoring

Switch the parallel machine monitoring mode on the lower right foot. The single machine BMS sends commands to view data, and the parallel machine receives data sent by the BMS, so the mode must be switched. After the mode is switched to parallel mode, click Start to connect, and the interface has the data of each PACK

100010010101010								- n x	BMS STUDIO V1.6.0.10			
com - 💠 💷 🖻	Pack #01 👩 👻 🚺	· 91년 - 1.00	■ #x						1812: COM2 - 🗱 🔳 1812	Q #X		
の概念 系統協注 伊	nter Axen	其他设置 实时数据	历史数据	主线升级					并机模范 系统超拉 实时	tight.		
49 3%	思电压	充放电流	基本信息			电芯电压			Pack #01	Pack #02	Pack #03	Pack #04
49.3 101	52.80v	0.00A	4C/9	の道		42.89	た直	均衡	49.3%	50.0%	-%	-%
健康度100.0 %	回容量100.00 Ah	動命容量49.30 Ah	RICER.	49.30	Ah	电波01	3.299	V C	453 6861	2000 T	•	
825 M(2.8)7	自然年後	2225	20788	0	Ab	10,000	1.302	v.	WERE COLON	1000 %	HERE'N	WRE-N
202. 2.200	2	27.6	SOH	100.0		16204	3.300	v	世紀王 52.80 V 9년51426 0.00 A 世容量 100.00 Ah 副次容量 49.30 A	世紀上 5281 V 光田和正 0.00 A 県容量 100.00 Ab 数余容量 50.00 Ab	10412 - 9224化・ 20日日 - 約2日日 -	12412 ・ 死亡9424 ・ 北容量 ・ 影応容量 ・
5020 5.295	V SmV	27.0%	個环次数	0	times	4L205	3.300	v	#は細胞 3.301 mV 単体最佳 3.298 m	V 原体最短 3.303 mV 单体最低 3.299 mV	単体最低 ・ 単体最低 ・	#ct是型 ·
12860		1283	平均电芯温度	25.6	÷C	12/205	3.299	v	温泉県町 27.5 ℃ 温泉県田 25.8 ℃	温度発泡 28.0 ℃ 温度発任 24.7 ℃	lizez . lizez .	2244 · 22144 ·
状态信息			最如吃芯盘度	27.6	10	18/25/07	1,290	V	Duck sor	Publisher	p. 1. 407	D. 1. 500
алхла жалхла	RIGHHH S	INTXER	1010年の正常 1010年1日日日日	23.8	-	#5208 E-2009	3.300	v	Pack #UD	Fack #00	FOLK TUT	Fack #UD
SEATS BONKER	SERVICE		建议是大元和原語	80	A	QU210	3.300	v	-%	-%	-%	-%
			10/5四月1	27.2	10	電器11	2.301	v	inny a		inter s	inter a
保护信息			电话温度2	23.8	÷	电芯12	3.301	v	Call . Ditter	DEF . SUBM.	5409-5 S	Carle . Example .
			电(0.0.0.0.3)	27.6	×C	用2013	3.300	v	CWE - 699WE -	0月堂 - 約日日堂 -	日本語 · 前米安置 ·	GWE - MONE-
			Q25224	26.0	°C	电出14	3.301	v	第四根稿 · 第四根版 ·	華信慶高 · 華信慶信 ·	単は慶高・ 単な慶后・	単位発展・ 単位現任・
			treesed Desider	26.4	- C	10/010 #2010	1.100	v	TXAN . TKAZ .	1004 · 1205 ·	axes - axes -	TX66 - TK62 -
								- 1 (A	Pack #09	Pack #10	Park #11	Pack #12
			设备厂商信息						Pack #09	Pack #10	Pack #11	Pack #12
			生产厂商: X2H-Eler	Tech Co.Ltd			记录名称: Z	XH165100A-TEST01	-%	-%	-%	-%
			BMS-SN: SP06823	04120154			Riter.		100 BRAN 15	488-S	and s	gar. s
				_	_	_	578					
おち み留吉								SARDEOP	-195 488			III)
								. .				
u can	also v	iew tł	ne de	tail	ed	dat	a o	f each	You can a	also view th	e real-tim	e data of t
ou can	also v	iew tł	ne de	etail	ed	dat	a o	f each	You can a	also view th	ie real-tim	e data of t
ou can	also v	iew tł	ne de	tail	ed	dat	a o	f each	You can a	also view th	e real-tim	e data of t
ou can ACK	also v	iew tł	ne de	tail	ed	dat	a o	f each	You can a PACK sej	also view th parately wh	ie real-tim ien the i	ie data of t machine is
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