



LIBD

BMS

10	20230815		
11	20231201		2 2

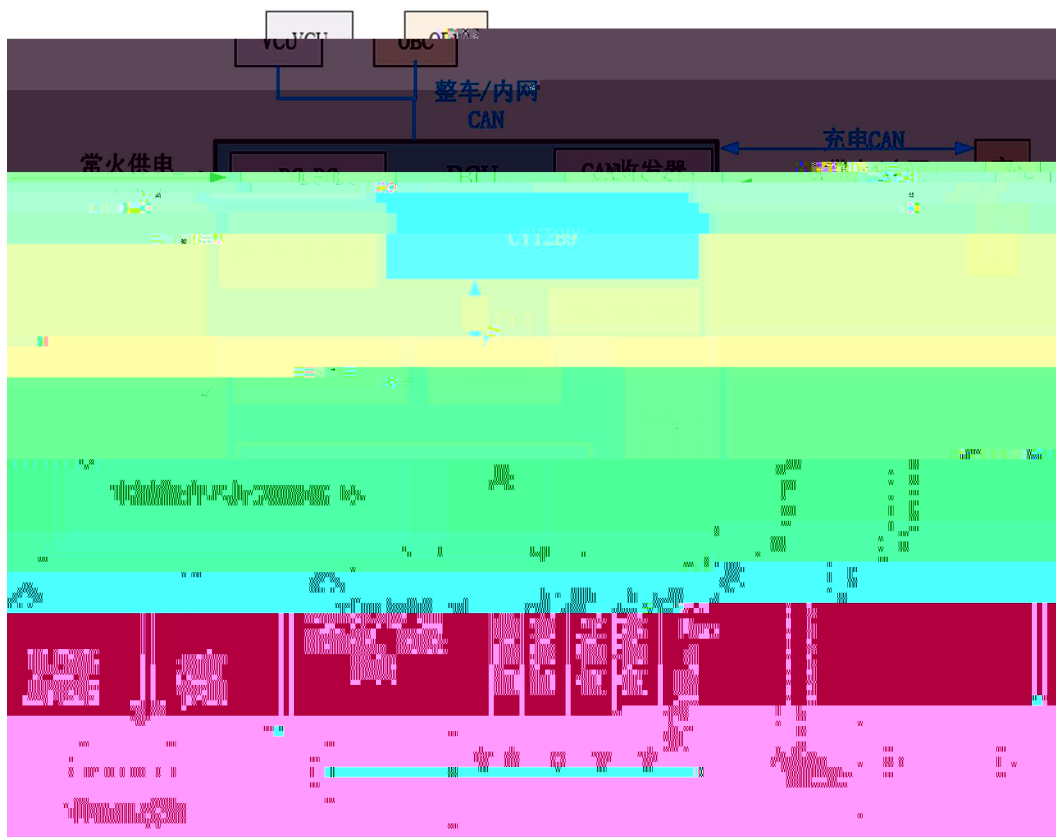


	LBD	BMS	.....	0
			.....	0
1			.....	3
2			.....	3
	21		.....	3
	22		.....	4
	23		.....	4
3			.....	5
	31		.....	7
	32		.....	7
4			.....	7
	41		ML	8
	42		M2	8
	43		HL	9
	44		H2	9
	45		A	10
	46		B	10
	47		C	11
5	/		.....	12
	51	714	.....	122
	52		.....	5
6			.....	166
	61		.....	176
	62		.....	176
	63		.....	177
7			.....	187
8			.....	198

L1BD

21

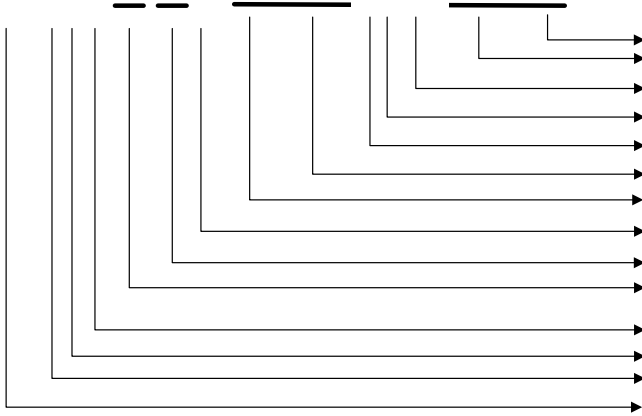
L1BD



1

3

22



23

NO	Abbrivation	Description	
1	BMS	Battery Management System	
2	BCU	Battery Control Unit	
3	BMU	Battery Monitor Unit	
4	HVU	High Voltage Unit	
5	BCMU	Battery Control Monitor Unit	
6	PDU	Power Distribution Unit	

21	KL15	Klemel5	
22	KL30	Kleme60	12V

NO				
1			9-16V 6-18V	12V
			1 KL15 2 3 A- 4 CSS1 5 RIC 6 CAN 7 VcP	AC
			6-265V	
			MAX 0.2V 1%BD	
			0.2mA @ 135V	
			200mA @ 135V	
				MU RIC
2		CAN	CAN CAN CAN	CAN 120
			A/E	604 0
3			12V /1.5A*2 12V/1A*2	12V
4			1A*4	AC VU
5			5 3 /PWM 1 /PWM 1	PWM 12V

6			3	10A
7				
8			MAX(30V 1%) -5N/5N	
9			4 -40-125 ± 2 @-30-65 ± 3 @	2 2 NC
			12 ± 1 -30-65 ± 2	10K
			3 ± 2 -30-65 ± 3	
			1 ± 2 -20-60 ± 3 -40-125	
10		4S 14*3 05V ± 5mV		
11		90mA@36V	40	
12		1+4 0 50VDC 1 max IV 0.5%		

16			CN	US	
17	SC		5%	1% +R15	
18			US		
			VN		

3LIB42D

LIB42D

	/	/
M1	MSA-1305B-220A-TR/RSO	MSA-1305B-220A/RSO
M2	MSA-1305B-220B-TR/RSO	MSA-1305B-220B/RSO
H1	MSA-1305B-212A-TR/RSO	MSA-1305B-212A/RSO
H2	MSA-1305B-216A-TR/RSO	MSA-1305B-216A/RSO
A	10153118-12KALF/Amphrd	10153123-12KALF/Amphrd
B	10153118-12KCLF/Amphrd	10153123-12KCLF/Amphrd
C	10153118-13KCLF/Amphrd	10153123-13KCLF/Amphrd

41

1	CANLH	CAN	(	2	%CANQLH
3	€ € EICE o&u	PL			E4 "
5	Relig			5	

19	TEXD	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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42

4

11	/	/	12	/	/
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44

1	IS		2	NICS	
3	/	/	4	Battery2	
5	/	/	6	/	/
7	/	/	8	EXPE1	1
9	IS+		10	NICSGND	
11	/	/	12	/	/
13	/	/	14	/	/
15	/	/	16	EXPE2	2

45

1	V1-	AFE 1,3,4,5	2	B01-	1
3	B02-	2	4	B04-	4
5	B06-	6	6	B08-	8
7	B10-	10	8	B12-	12
9	B14-	14	10	/	/
11	/	/	12	V1+	AFE+
13	B13-	13	14	B11+	11
15	B09-	09	16	B07-	7
17	B05-	5	18	B03-	3
19	B01+	1	20	V1-	AFE

					1,345
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46

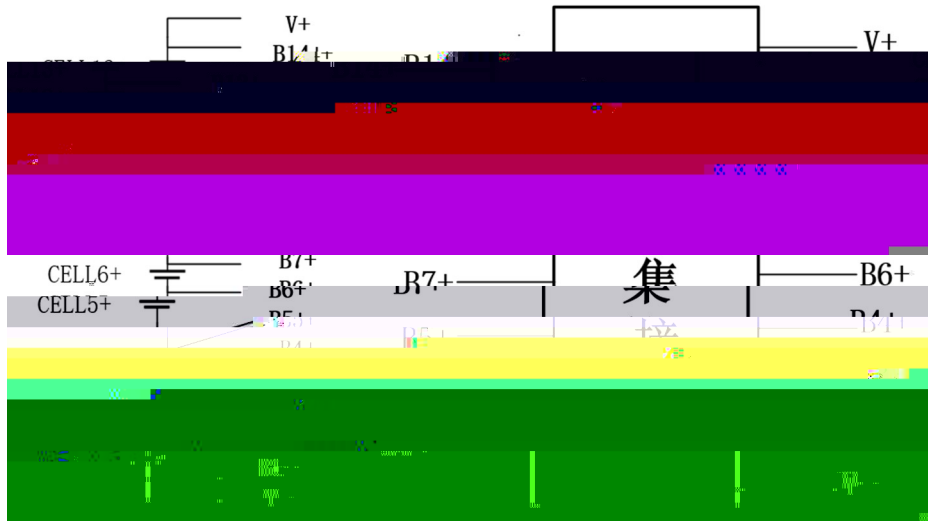
1	NICB1	AFE 1	2	V2	AFE 1 2
3	V2	AFE 34	4	V2	AFE 56
5	V2	AFE	6	B15	15
7	B16	16	8	B18	18
9	B20	20	10	B22	22
11	B24	24	12	B26	26
13	B28	28	14	/	/
15	/	/	16	V2	AFE
17	B27	27	18	B25	25
19	B23	23	20	B21	21
21	B19	19	22	B17	17
23	B15	15	24	NICB6	AFE 6
25	NICB5	AFE 5	26	NICB4	AFE 4
27	NICB3	AFE 3	28	NICB2	AFE 2

47

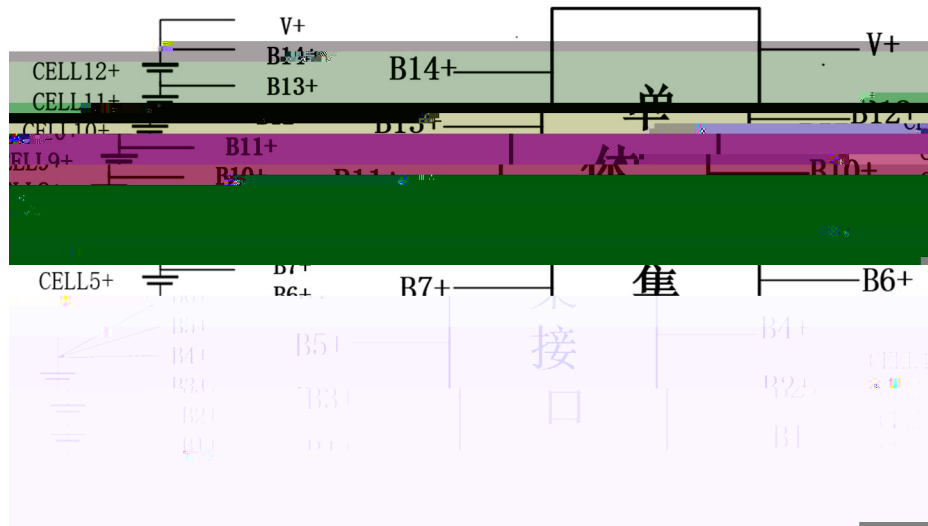
1	NICC1	AFE 1	2	V3	AFE 1 2
3	V3	AFE 34	4	V3	AFE 56

5	V3	AFE	6	B29	29
7	B30	30	8	B32	32
9	B34	34	10	B36	36
11	B38	38	12	B40	
13	B42	42	14	/	
15	ILMEX		16	ILP_EX	
17	/	/	18	V3	AFE

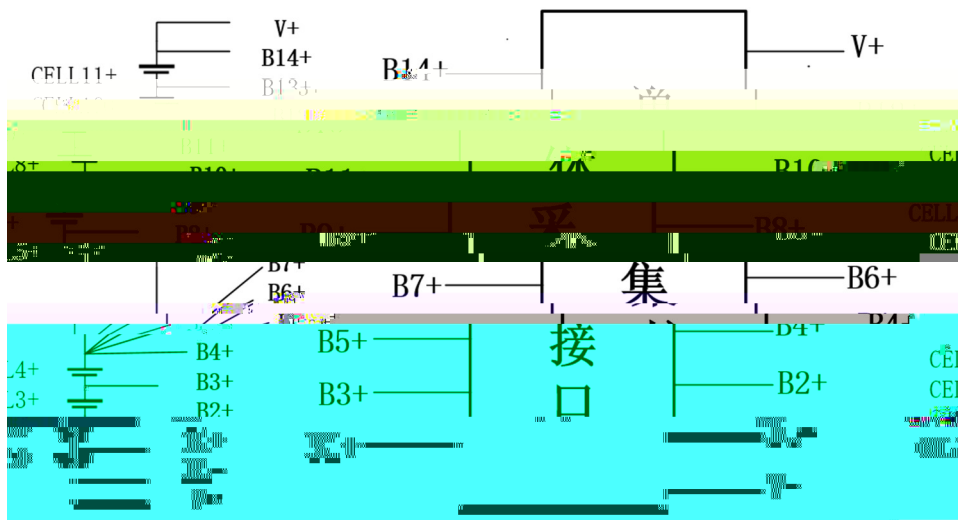
2 13



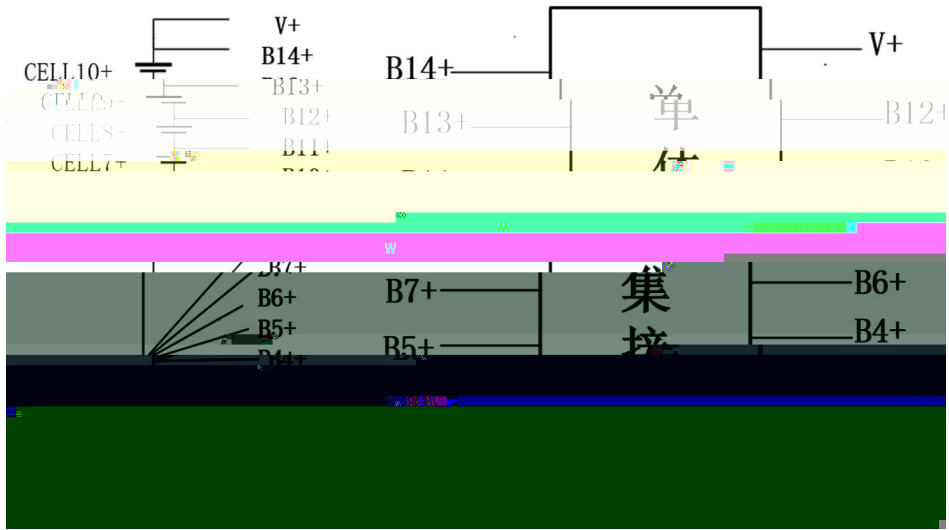
3 12



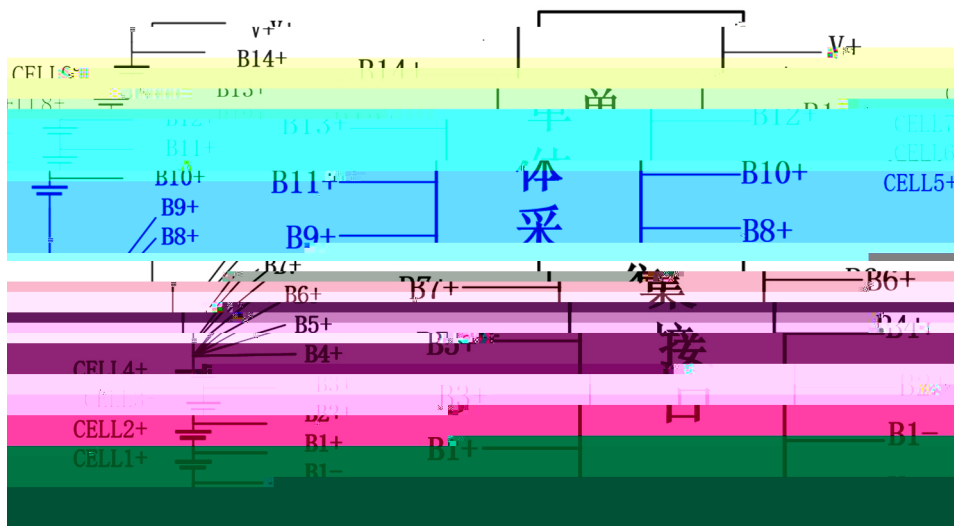
4 11



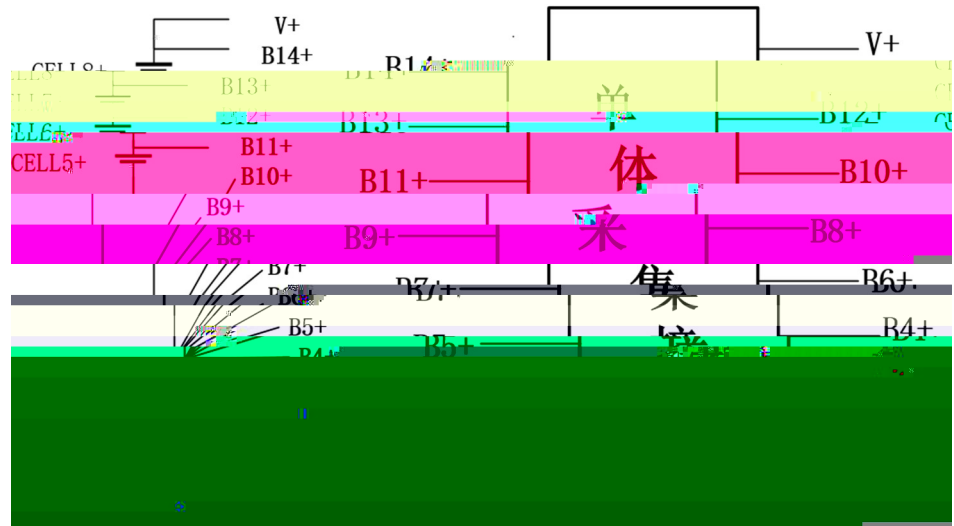
5 10



6 9



7 8



8 7

1) V+

52

61



1		GB17865	A
2		ISO14004	A
3		ISO14002	A
4		GB28001	A
5			

ISO 14528:2015

8

CISPR 25:2016

ISO 7837-2:2011

2

ISO 7837-3:2007

3

ISO 10805:2008

ISO 16750-2:2008

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