Engineering Evaluation

Project Number:	**EFSH24070036-IE-01-L02**	**Standard:**	**UL 62133-2**		
Company Name:	**GlobTek, Inc.**	**Edition:**	**First**		
Product:	**Lithium-Ion Battery Pack**	**Revision Date/AMD:**			
Evaluator:	Pengcheng WANG	**Reviewer:**			
Date:	**2026-11-02**				

Description:

The report shall be read in conjunction with test report No. EFSH24070036-IE-01-L01.

1. The products with case and without case are the same model, the case is 11 pieces from A to I. Except for the different size, they are all the same. Details are as follows:

Model	PCB	Ratings	Discharge current (0,2 It A)/mA	Specified final voltage/V	Maximum charging current/A	configuration	Black case
BL5000C21701S1PFT	PCB1	3.6V, 5000mAh, 18Wh	1000	3	1	1S1P	A
BL5000C21701S2PFT	PCB1	3.6V, 10000mAh, 36Wh	2000	3	2	1S2P	B
BL5000C21701S3PFT	PCB1	3.6V, 15000mAh, 54Wh	3000	3	3	1S3P	C
BL5000C21701S1PFS	PCB2	3.6V, 5000mAh, 18Wh	1000	3	1	1S1P	A
BL5000C21701S2PFS	PCB2	3.6V, 10000mAh, 36Wh	2000	3	2	1S2P	B
BL5000C21701S3PFS	PCB2	3.6V, 15000mAh, 54Wh	3000	3	3	1S3P	C
BL5000C21701S4PFS	PCB2	3.6V, 20000mAh, 72Wh	4000	3	4	1S4P	D
BL5000C21701S4PFT	PCB3	3.6V, 20000mAh, 72Wh	4000	3	4	1S4P	D
BL5000C21702S1PFT	PCB3	7.2V, 5000mAh, 36Wh	1000	6	1	2S1P	B
BL5000C21702S2PFT	PCB3	7.2V, 10000mAh, 72Wh	2000	6	2	2S2P	D
BL5000C21702S3PFT	PCB3	7.2V, 15000mAh, 108Wh	3000	6	3	2S3P	E
BL5000C21702S4PFT	PCB3	7.2V, 20000mAh, 144Wh	4000	6	4	2S4P	F
BL5000C21703S1PFT	PCB3	10.8V, 5000mAh, 54Wh	1000	9	1	3S1P	C
BL5000C21703S2PFT	PCB3	10.8V, 10000mAh, 108Wh	2000	9	2	3S2P	E
BL5000C21703S3PFT	PCB3	10.8V, 15000mAh, 162Wh	3000	9	3	3S3P	G
BL5000C21703S4PFT	PCB3	10.8V, 20000mAh, 216Wh	4000	9	4	3S4P	H
BL5000C21704S1PFT	PCB3	14.4V, 5000mAh, 72Wh	1000	12	1	4S1P	D
BL5000C21704S2PFT	PCB3	14.4V, 10000mAh, 144Wh	2000	12	2	4S2P	F
BL5000C21704S3PFT	PCB3	14.4V, 15000mAh, 216Wh	3000	12	3	4S3P	H
BL5000C21704S4PFT	PCB3	14.4V, 20000mAh, 288Wh	4000	12	4	4S4P	I
BL5000C21702S1PFS	PCB4	7.2V, 5000mAh, 36Wh	1000	6	1	2S1P	B
BL5000C21702S2PFS	PCB4	7.2V, 10000mAh, 72Wh	2000	6	2	2S2P	D
BL5000C21702S3PFS	PCB4	7.2V, 15000mAh, 108Wh	3000	6	3	2S3P	E
BL5000C21702S4PFS	PCB4	7.2V, 20000mAh, 144Wh	4000	6	4	2S4P	F
BL5000C21703S1PFS	PCB4	10.8V, 5000mAh, 54Wh	1000	9	1	3S1P	C
BL5000C21703S2PFS	PCB4	10.8V, 10000mAh, 108Wh	2000	9	2	3S2P	E
BL5000C21703S3PFS	PCB4	10.8V, 15000mAh, 162Wh	3000	9	3	3S3P	G
BL5000C21703S4PFS	PCB4	10.8V, 20000mAh, 216Wh	4000	9	4	3S4P	H

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Product:	**Lithium-Ion Battery Pack**	**Revision Date/AMD:**			
Evaluator:	Pengcheng WANG	**Reviewer:**			
Date:	**2026-11-02**				

Model	PCB	Ratings	Discharge current (0,2 lt A)/mA	Specified final voltage/V	Maximum charging current/A	config uratio n	Black case
BL5000C21704S1PFS	PCB4	14.4V, 5000mAh, 72Wh	1000	12	1	4S1P	D
BL5000C21704S2PFS	PCB4	14.4V, 10000mAh, 144Wh	2000	12	2	4S2P	F
BL5000C21704S3PFS	PCB4	14.4V, 15000mAh, 216Wh	3000	12	3	4S3P	H
BL5000C21704S4PFS	PCB4	14.4V, 20000mAh, 288Wh	4000	12	4	4S4P	I

There are 32 models in this report, each model is the same except for the difference between the series and parallel connection methods and the PCB is different, the test content is as follows:

Model	Aluminium plastic film				
	Clause 7.3.6	Clause 7.3.2	Clause 7.3.8.1	Clause 7.3.8.2	Clause 7.3.3
BL5000C21701S1PFT	•	•			
BL5000C21701S2PFT					
BL5000C21701S3PFT	•	•			
BL5000C21701S1PFS	•	•	•	•	•
BL5000C21701S2PFS					
BL5000C21701S3PFS			•	•	•
BL5000C21701S4PFS	•	•			
BL5000C21701S4PFT	•	•			
BL5000C21702S1PFT	•	•	•	•	•
BL5000C21702S2PFT					
BL5000C21702S3PFT			•	•	•
BL5000C21702S4PFT	•	•			
BL5000C21703S1PFT	•	•			
BL5000C21703S2PFT					
BL5000C21703S3PFT					
BL5000C21703S4PFT	•	•			
BL5000C21704S1PFT	•	•			
BL5000C21704S2PFT			•	•	•
BL5000C21704S3PFT			•	•	•
BL5000C21704S4PFT	•	•			
BL5000C21702S1PFS	•	•			
BL5000C21702S2PFS			•	•	•
BL5000C21702S3PFS					
BL5000C21702S4PFS	•	•			
BL5000C21703S1PFS	•	•			
BL5000C21703S2PFS					

KEY: I = Information Required Q = Question S = Samples Required T = Test Required R = Remark C = Comment

Engineering Evaluation

Project Number:	**EFSH24070036-IE-01-L02**	**Standard:**	**UL 62133-2**		
Company Name:	**GlobTek, Inc.**	**Edition:**	**First**		
Product:	**Lithium-Ion Battery Pack**	**Revision Date/AMD:**			
Evaluator:	Pengcheng WANG	**Reviewer:**			
Date:	**2026-11-02**				

Model	Aluminium plastic film				
	Clause 7.3.6	Clause 7.3.2	Clause 7.3.8.1	Clause 7.3.8.2	Clause 7.3.3
BL5000C21703S3PFS			•	•	•
BL5000C21703S4PFS	•	•			
BL5000C21704S1PFS	•	•			
BL5000C21704S2PFS					
BL5000C21704S3PFS					
BL5000C21704S4PFS	•	•	•	•	•

Products a total of 9 kinds of shells from A ~ I, shells in addition to inconsistent size other than the same, the same 1S1P products a product with buttons without shells, specific tests are as follows:

Model	Battery with case					addpositve tip cap mode		
	Clause 7.2.2	Clause 7.3.8.1	Clause 7.3.8.2	Clause 7.3.3	Types of housings	Clause 7.3.8.1	Clause 7.3.8.2	Clause 7.3.3
BL5000C21701S1PFT					A	•	•	•
BL5000C21701S2PFT					B			
BL5000C21701S3PFT					C			
BL5000C21701S1PFS	•	•	•	•	A	•	•	•
BL5000C21701S2PFS					B			
BL5000C21701S3PFS	•	•	•	•	C			
BL5000C21701S4PFS					D			
BL5000C21701S4PFT	•	•	•	•	D			
BL5000C21702S1PFT					B			
BL5000C21702S2PFT					D			
BL5000C21702S3PFT	•	•	•	•	E			
BL5000C21702S4PFT					F			
BL5000C21703S1PFT					C			
BL5000C21703S2PFT					E			
BL5000C21703S3PFT					G			
BL5000C21703S4PFT					H			
BL5000C21704S1PFT					D			
BL5000C21704S2PFT	•	•	•	•	F			
BL5000C21704S3PFT	•	•	•	•	H			
BL5000C21704S4PFT					I			
BL5000C21702S1PFS					B			
BL5000C21702S2PFS					D			
BL5000C21702S3PFS					E			
BL5000C21702S4PFS					F			
BL5000C21703S1PFS					C			
BL5000C21703S2PFS					E			
BL5000C21703S3PFS	•	•	•	•	G			

KEY: I = Information Required Q = Question S = Samples Required T = Test Required R = Remark C = Comment

Engineering Evaluation

Project Number:	**EFSH24070036-IE-01-L02**	**Standard:**	**UL 62133-2**		
Company Name:	**GlobTek, Inc.**	**Edition:**	**First**		
Product:	**Lithium-Ion Battery Pack**	**Revision Date/AMD:**			
Evaluator:	Pengcheng WANG	**Reviewer:**			
Date:	**2026-11-02**				

Model	Battery with case					addpositve tip cap mode		
	Clause 7.2.2	Clause 7.3.8.1	Clause 7.3.8.2	Clause 7.3.3	Types of housings	Clause 7.3.8.1	Clause 7.3.8.2	Clause 7.3.3
BL5000C21703S4PFS					H			
BL5000C21704S1PFS					D			
BL5000C21704S2PFS					F			
BL5000C21704S3PFS					H			
BL5000C21704S4PFS	•	•	•	•	I			

Test List（Cell: LR2170SZ）：

For the core model core LR2170SZ products, the core has a certificate and the core model LR2170SD, 03BCEA5 products Clause 7.3.2 and Clause 7.3.6 test current is 0A other are the same, the test content is as follows:

Modification 2 (141512):

The original test No. EFSH24070036-IE-01-L01, issued on 2025-02-17, were modified on 2026.06.04 to add the following changes and/or additions:

1. PCB3 Added an alternative MOSFET(Q4) see page 34 for details.
2. PCB4 Added an alternative MOSFET(Q1) see page 35 for details.

After review, Tests of Clause 7.3.2 and Clause 7.3.6 were performed on products with updated PCB3 and PCB4.

Clause	Requirement Test	Result - Remark	Verdict
7	**SPECIFIC REQUIREMENTS AND TESTS**		**P**
7.1	**Charging procedure for test purposes**	Samples are Preconditioned	P
7.3	**Reasonably foreseeable misuse**	Tests of Clause 7.3.2 and Clause 7.3.6 were performed on products with updated PCB3 and PCB4	P
7.3.2	External short-circuit (battery)	See below	P
	The batteries were tested until one of the following occurred:	See below	P
	- 24 hours elapsed; or	Stop the test 24 hours after the battery short-circuits	P
	- The case temperature declined by 20 % of the maximum temperature rise	See above	N/A

	In case of rapid decline in short circuit current, the battery pack remained on test for an additional one hour after the current reached a low end steady state condition	See above	N/A
	A single fault in the discharge protection circuit conducted on one to four (depending upon the protection circuit) of the five samples before conducting the short-circuit test	Two samples were subjected to failure testing	P
	A single fault applies to protective component parts such as MOSFET, fuse, thermostat or positive temperature coefficient (PTC) thermistor	Single fault applies on MOSFET Q3 or FUSE (F1)	P
	Results: No fire. No explosion ..... :	(See appended table 7.3.2)	P
7.3.6	Over-charging of battery	See below	P
	The supply voltage which is:	See below	P
	- 1,4 times the upper limit charging voltage presented in Table A.1 (but not to exceed 6,0 V) for single cell/cell block batteries or	The 1S4P underwent a 1. 4times test	P
	- 1,2 times the upper limit charging voltage resented in Table A.1 per cell for series connected multi-cell batteries, and	The (2~4)S(1~4)P underwent a 1. 2 times test	P
	- Sufficient to maintain a current of 2,0 It A throughout the duration of the test or until the supply voltage is reached	The entire testing process lasted 2.0 It A	P
	Test was continued until the temperature of the outer casing:	Charging current turned to be 0 A in 1 min	P
	- Reached steady state conditions (less than 10 °C change in 30-minute period); or	See above	N/A
	- Returned to ambient	See above	N/A
	Results: No fire. No explosion ..... :	(See appended table 7.3.6)	P

7.3.2	TABLE: External short-circuit	P

Sample no.	Ambient T (°C)	OCV before test (Vdc)	Resistance of circuit (mΩ)	Maximum case temperature rises ΔT (K)	Component single fault condition	Results
BL5000C21701S 4PFT #001	22.3	4.09	80	1.5	F1	No fire or explosion
BL5000C21701S 4PFT #002	22.3	4.10	80	1.6	Q3	No fire or explosion
BL5000C21701S 4PFT #003	22.3	4.10	80	0.9	--	No fire or explosion
BL5000C21701S 4PFT #004	22.3	4.10	80	0.8	--	No fire or explosion
BL5000C21701S 1PFT #5	22.5	4.10	80	0.7	--	No fire or explosion
BL5000C21702S 1PFT #011	22.2	8.23	80	1.2	F1	No fire or explosion
BL5000C21702S 1PFT #012	22.1	8.22	80	1.1	Q3	No fire or explosion
BL5000C21702S 1PFT #013	22.2	8.21	80	0.8	--	No fire or explosion
BL5000C21702S 1PFT #014	22.3	8.21	80	0.8	--	No fire or explosion
BL5000C21702S 1PFT #015	22.3	8.22	80	0.8	--	No fire or explosion

BL5000C21702S 4PFT #021	21.9	8.18	80	1.4	F1	No fire or explosion
BL5000C21702S 4PFT #022	21.9	8.18	80	0.8	Q3	No fire or explosion
BL5000C21702S 4PFT #023	22.1	8.19	80	0.6	--	No fire or explosion
BL5000C21702S 4PFT #024	21.9	8.18	80	0.8	--	No fire or explosion
BL5000C21702S 4PFT #025	21.9	8.19	80	0.7	--	No fire or explosion
BL5000C21703S 1PFT #031	22.2	12.29	80	1.2	F1	No fire or explosion
BL5000C21703S 1PFT #032	22.3	12.29	80	0.9	Q3	No fire or explosion
BL5000C21703S 1PFT #033	22.5	12.28	80	0.7	--	No fire or explosion
BL5000C21703S 1PFT #034	22.1	12.28	80	0.8	--	No fire or explosion
BL5000C21703S 1PFT #035	22.2	12.29	80	0.7	--	No fire or explosion
BL5000C21703S 4PFT #041	22.1	12.27	80	1.5	F1	No fire or explosion
BL5000C21703S 4PFT #042	22.1	12.27	80	0.8	Q3	No fire or explosion
BL5000C21703S 4PFT #043	22.3	12.26	80	0.7	--	No fire or explosion

BL5000C21703S 4PFT #044	22.1	12.26	80	0.9	--	No fire or explosion
BL5000C21703S 4PFT #045	22.4	12.27	80	0.8	--	No fire or explosion
BL5000C21704S 1PFT #051	23.3	16.42	80	0.9	F1	No fire or explosion
BL5000C21704S 1PFT #052	23.4	16.42	80	0.9	Q3	No fire or explosion
BL5000C21704S 1PFT #053	22.1	16.43	80	0.7	--	No fire or explosion
BL5000C21704S 1PFT #054	22.5	16.42	80	0.8	--	No fire or explosion
BL5000C21704S 1PFT #055	22.6	16.43	80	0.9	--	No fire or explosion
BL5000C21704S 4PFT #061	22.3	16.34	80	0.9	F1	No fire or explosion
BL5000C21704S 4PFT #062	22.3	16.34	80	0.8	Q3	No fire or explosion
BL5000C21704S 4PFT #063	22.3	16.35	80	0.8	--	No fire or explosion
BL5000C21704S 4PFT #064	22.4	16.34	80	0.8	--	No fire or explosion
BL5000C21704S 4PFT #065	22.3	16.34	80	0.8	--	No fire or explosion
BL5000C21702S 1PFT #071	22.3	8.19	80	1.2	F1	No fire or explosion

BL5000C21702S 1PFT #072	22.5	8.19	80	0.9	Q3	No fire or explosion
BL5000C21702S 1PFT #073	22.1	8.20	80	0.7	--	No fire or explosion
BL5000C21702S 1PFT #074	22.6	8.20	80	0.9	--	No fire or explosion
BL5000C21702S 1PFT #075	22.3	8.19	80	0.8	--	No fire or explosion
BL5000C21702S 4PFS #081	22.5	8.19	80	1.4	F1	No fire or explosion
BL5000C21702S 4PFS #082	22.5	8.18	80	0.9	Q3	No fire or explosion
BL5000C21702S 4PFS #083	22.4	8.18	80	0.8	--	No fire or explosion
BL5000C21702S 4PFS #084	22.5	8.19	80	0.8	--	No fire or explosion
BL5000C21702S 4PFS #085	22.7	8.19	80	0.8	--	No fire or explosion
BL5000C21703S 1PFS #091	22.2	11.87	80	1.2	F1	No fire or explosion
BL5000C21703S 1PFS #092	22.1	11.88	80	0.8	Q3	No fire or explosion
BL5000C21703S 1PFS #093	22.5	11.89	80	0.8	--	No fire or explosion
BL5000C21703S 1PFS #094	22.6	11.87	80	0.7	--	No fire or explosion

BL5000C21703S 1PFS #095	22.7	11.87	80	0.7	--	No fire or explosion
BL5000C21703S 4PFS #101	22.7	12.27	80	0.8	F1	No fire or explosion
BL5000C21703S 4PFS #102	22.4	12.27	80	0.9	Q3	No fire or explosion
BL5000C21703S 4PFS #103	22.3	12.26	80	0.6	--	No fire or explosion
BL5000C21703S 4PFS #104	22.5	12.26	80	0.5	--	No fire or explosion
BL5000C21703S 4PFS #105	22.6	12.27	80	0.7	--	No fire or explosion
BL5000C21704S 1PFS #111	22.5	16.34	80	1.1	F1	No fire or explosion
BL5000C21704S 1PFS #112	22.4	16.34	80	0.9	Q3	No fire or explosion
BL5000C21704S 1PFS #113	22.6	16.34	80	0.8	--	No fire or explosion
BL5000C21704S 1PFS #114	22.5	16.34	80	0.7	--	No fire or explosion
BL5000C21704S 1PFS #115	22.6	16.34	80	0.9	--	No fire or explosion
BL5000C21704S 4PFS #121	22.4	16.37	80	1.5	F1	No fire or explosion
BL5000C21704S 4PFS #122	22.5	16.34	80	0.9	Q3	No fire or explosion

BL5000C21704S 4PFS #123	22.5	16.34	80	0.9	--	No fire or explosion
BL5000C21704S 4PFS #124	22.7	16.34	80	0.9	--	No fire or explosion
BL5000C21704S 4PFS #125	22.3	16.34	80	0.9	--	No fire or explosion

Supplementary information: 24 hours elapsed.

- No fire or explosion
- Others (please explain)
- S-C=Short Circuit

7.3.6	**TABLE: Over-charging of battery - BL5000C21701S1PFT**	**P**
Constant charging current (A) ..... :	10	—
Supply voltage (Vdc) ..... :	5.88	—

Sample no.	OCV before charging (Vdc)	Total charging time (minute)	Maximum outer case temperature (°C)	Results
BL5000C21701S1PFT #6	3.14	60	28.4	No fire or explosion
BL5000C21701S1PFT #7	3.13	60	29.7	No fire or explosion
BL5000C21701S1PFT #8	3.13	60	29.4	No fire or explosion
BL5000C21701S1PFT 9#	3.13	60	29.9	No fire or explosion
BL5000C21701S1PFT #10	3.14	60	29.3	No fire or explosion

Supplementary information: The temperature of the outer case reached steady state conditions

- No fire or explosion
- Others (please explain) : Charging current turned to be 0 A in 1 min

7.3.6	**TABLE: Over-charging of battery- BL5000C21701S4PFT**			P
Constant charging current (A).....:	**40**			—
Supply voltage (Vdc).....:	**5.88**			—
Sample No.	**OCV before charging (Vdc)**	**Total charging time (minute)**	**Maximum outer case temperature (°C)**	**Results**
BL5000C21701S4 PFT #006	3.26	60	22.6	No fire or explosion
BL5000C21701S4 PFT #007	3.26	60	23.1	No fire or explosion
BL5000C21701S4 PFT #008	3.26	60	23.4	No fire or explosion
BL5000C21701S4 PFT #009	3.26	60	24.2	No fire or explosion
BL5000C21701S4 PFT #010	3.26	60	23.2	No fire or explosion

Supplementary information: The temperature of the outer case reached steady state conditions

- No fire or explosion
- Others (please explain): Charging current turned to be 0 A in 1 min

7.3.6	**TABLE: Over-charging of battery- BL5000C21702S1PFT**			P
Constant charging current (A).....:		**10**		—
Supply voltage (Vdc).....:		**10.08**		—
Sample No.	**OCV before charging (Vdc)**	**Total charging time (minute)**	**Maximum outer case temperature (°C)**	**Results**
BL5000C21702S1 PFT #016	6.41	60	23.1	No fire or explosion
BL5000C21702S1 PFT #017	6.43	60	23.2	No fire or explosion
BL5000C21702S1 PFT #018	6.41	60	23.1	No fire or explosion
BL5000C21702S1 PFT #019	6.43	60	24.4	No fire or explosion
BL5000C21702S1 PFT #020	6.41	60	23.2	No fire or explosion

Supplementary information: The temperature of the outer case reached steady state conditions

- No fire or explosion

- Others (please explain) : Charging current turned to be 0 A in 1 min

7.3.6	**TABLE: Over-charging of battery- BL5000C21702S4PFT**		P
Constant charging current (A).....:		**40**	—
Supply voltage (Vdc).....:		**10.08**	—

Sample No.	OCV before charging (Vdc)	Total charging time (minute)	Maximum outer case temperature (°C)	Results
BL5000C21702S4 PFT #026	6.47	60	22.4	No fire or explosion
BL5000C21702S4 PFT #027	6.50	60	23.2	No fire or explosion
BL5000C21702S4 PFT #028	6.50	60	23.3	No fire or explosion
BL5000C21702S4 PFT #029	6.50	60	24.7	No fire or explosion
BL5000C21702S4 PFT #030	6.50	60	22.2	No fire or explosion

Supplementary information: The temperature of the outer case reached steady state conditions

- No fire or explosion

- Others (please explain) : Charging current turned to be 0 A in 1 min

7.3.6	TABLE: Over-charging of battery- BL5000C21703S1PFT			P
Constant charging current (A).....:	**10**			—
Supply voltage (Vdc).....:	**15.12**			—
Sample No.	**OCV before charging (Vdc)**	**Total charging time (minute)**	**Maximum outer case temperature (°C)**	**Results**
BL5000C21703S1 PFT #036	9.63	60	24.1	No fire or explosion

BL5000C21703S1 PFT #037	9.65	60	23.4	No fire or explosion
BL5000C21703S1 PFT #038	9.65	60	23.8	No fire or explosion
BL5000C21703S1 PFT #039	9.68	60	23.7	No fire or explosion
BL5000C21703S1 PFT #040	9.68	60	22.9	No fire or explosion
Supplementary information: The temperature of the outer case reached steady state conditions - No fire or explosion - Others (please explain) : Charging current turned to be 0 A in 1 min				

7.3.6	**TABLE: Over-charging of battery- BL5000C21703S4PFT**			P
Constant charging current (A).....:		**40**		—
Supply voltage (Vdc).....:		**15.12**		—
Sample No.	**OCV before charging (Vdc)**	**Total charging time (minute)**	**Maximum outer case temperature (°C)**	**Results**
BL5000C21703S4 PFT #046	9.59	60	23.5	No fire or explosion
BL5000C21703S4 PFT #047	9.59	60	23.7	No fire or explosion
BL5000C21703S4 PFT #048	9.60	60	23.8	No fire or explosion
BL5000C21703S4 PFT #049	9.60	60	23.8	No fire or explosion

BL5000C21703S4 PFT #050	9.59	60	23.9	No fire or explosion
Supplementary information: The temperature of the outer case reached steady state conditions - No fire or explosion - Others (please explain) : Charging current turned to be 0 A in 1 min				

7.3.6	**TABLE: Over-charging of battery- BL5000C21704S1PFT**			P
Constant charging current (A).....:		**10**		—
Supply voltage (Vdc).....:		**20.16**		—
Sample No.	**OCV before charging (Vdc)**	**Total charging time (minute)**	**Maximum outer case temperature (°C)**	**Results**
BL5000C21704S1 PFT #056	12.77	60	23.4	No fire or explosion
BL5000C21704S1 PFT #057	12.77	60	23.3	No fire or explosion
BL5000C21704S1 PFT #058	12.77	60	23.6	No fire or explosion
BL5000C21704S1 PFT #059	12.77	60	23.8	No fire or explosion
BL5000C21704S1 PFT #060	12.77	60	23.4	No fire or explosion

Supplementary information: The temperature of the outer case reached steady state conditions

- No fire or explosion

- Others (please explain) : Charging current turned to be 0 A in 1 min

7.3.6	**TABLE: Over-charging of battery- BL5000C21703S4PFT**			P
Constant charging current (A).....:	**40**			—
Supply voltage (Vdc).....:	**20.16**			—
Sample No.	**OCV before charging (Vdc)**	**Total charging time (minute)**	**Maximum outer case temperature (°C)**	**Results**
BL5000C21704S4 PFT #066	12.85	60	23.5	No fire or explosion
BL5000C21704S4 PFT #067	12.85	60	23.3	No fire or explosion
BL5000C21704S4 PFT #068	12.85	60	23.4	No fire or explosion
BL5000C21704S4 PFT #069	12.85	60	23.7	No fire or explosion
BL5000C21704S4 PFT #070	12.85	60	23.4	No fire or explosion

Supplementary information: The temperature of the outer case reached steady state conditions

- No fire or explosion

- Others (please explain) : Charging current turned to be 0 A in 1 min

7.3.6	**TABLE: Over-charging of battery- BL5000C21702S1PFS**			P
Constant charging current (A).....:		**10**		—
Supply voltage (Vdc).....:		**10.08**		—
Sample No.	**OCV before charging (Vdc)**	**Total charging time (minute)**	**Maximum outer case temperature (°C)**	**Results**
BL5000C21702S1 PFS #076	6.40	60	23.2	No fire or explosion
BL5000C21702S1 PFS #077	6.40	60	23.1	No fire or explosion
BL5000C21702S1 PFS #078	6.41	60	22.9	No fire or explosion
BL5000C21702S1 PFS #079	6.43	60	23.6	No fire or explosion
BL5000C21702S1 PFS #080	6.40	60	23.2	No fire or explosion

Supplementary information: The temperature of the outer case reached steady state conditions

- No fire or explosion

- Others (please explain) : Charging current turned to be 0 A in 1 min

7.3.6	**TABLE: Over-charging of battery- BL5000C21702S4PFS**		P
Constant charging current (A).....:		**40**	—
Supply voltage (Vdc).....:		**10.08**	—

Sample No.	OCV before charging (Vdc)	Total charging time (minute)	Maximum outer case temperature (°C)	Results
BL5000C21702S4 PFS #086	6.52	60	23.5	No fire or explosion
BL5000C21702S4 PFS #087	6.53	60	23.6	No fire or explosion
BL5000C21702S4 PFS #088	6.52	60	23.6	No fire or explosion
BL5000C21702S4 PFS #089	6.54	60	23.7	No fire or explosion
BL5000C21702S4 PFS #090	6.52	60	23.4	No fire or explosion

Supplementary information: The temperature of the outer case reached steady state conditions

- No fire or explosion

- Others (please explain) : Charging current turned to be 0 A in 1 min

7.3.6	TABLE: Over-charging of battery- BL5000C21701S1PFS	P
Constant charging current (A).....:	**10**	**—**
Supply voltage (Vdc).....:	**15.12**	**—**

Sample No.	OCV before charging (Vdc)	Total charging time (minute)	Maximum outer case temperature (°C)	Results
BL5000C21703S1 PFS #096	9.46	60	23.5	No fire or explosion

BL5000C21703S1 PFS #097	9.46	60	23.5	No fire or explosion
BL5000C21703S1 PFS #098	9.47	60	23.6	No fire or explosion
BL5000C21703S1 PFS #099	9.46	60	23.7	No fire or explosion
BL5000C21703S1 PFS #100	9.46	60	23.5	No fire or explosion
Supplementary information: The temperature of the outer case reached steady state conditions - No fire or explosion - Others (please explain) : Charging current turned to be 0 A in 1 min				

7.3.6	**TABLE: Over-charging of battery- BL5000C21703S4PFS**			P
Constant charging current (A).....:		**40**		—
Supply voltage (Vdc).....:		**15.12**		—
Sample No.	**OCV before charging (Vdc)**	**Total charging time (minute)**	**Maximum outer case temperature (°C)**	**Results**
BL5000C21703S4 PFS #106	9.51	60	22.9	No fire or explosion
BL5000C21703S4 PFS #107	9.51	60	23.7	No fire or explosion
BL5000C21703S4 PFS #108	9.50	60	23.3	No fire or explosion
BL5000C21703S4 PFS #109	9.50	60	23.5	No fire or explosion

BL5000C21703S4 PFS #110	9.51	60	23.1	No fire or explosion
Supplementary information: The temperature of the outer case reached steady state conditions - No fire or explosion - Others (please explain) : Charging current turned to be 0 A in 1 min				

7.3.6	**TABLE: Over-charging of battery- BL5000C21702S1PFS**			P
Constant charging current (A).....:		**10**		—
Supply voltage (Vdc).....:		**20.16**		—
Sample No.	**OCV before charging (Vdc)**	**Total charging time (minute)**	**Maximum outer case temperature (°C)**	**Results**
BL5000C21704S1 PFS #116	16.40	60	23.4	No fire or explosion
BL5000C21704S1 PFS #117	16.40	60	23.5	No fire or explosion
BL5000C21704S1 PFS #118	16.41	60	23.3	No fire or explosion
BL5000C21704S1 PFS #119	16.41	60	23.5	No fire or explosion
BL5000C21704S1 PFS #120	16.40	60	23.4	No fire or explosion

Supplementary information: The temperature of the outer case reached steady state conditions

- No fire or explosion

- Others (please explain) : Charging current turned to be 0 A in 1 min

7.3.6	**TABLE: Over-charging of battery- BL5000C21704S4PFS**			P
Constant charging current (A).....:	**40**			—
Supply voltage (Vdc).....:	**20.16**			—
Sample No.	**OCV before charging (Vdc)**	**Total charging time (minute)**	**Maximum outer case temperature (°C)**	**Results**
BL5000C21704S4 PFS #126	16.38	60	23.5	No fire or explosion
BL5000C21704S4 PFS #127	16.37	60	23.6	No fire or explosion
BL5000C21704S4 PFS #128	16.38	60	23.7	No fire or explosion
BL5000C21704S4 PFS #129	16.38	60	23.8	No fire or explosion
BL5000C21704S4 PFS #130	16.38	60	23.4	No fire or explosion

Supplementary information: The temperature of the outer case reached steady state conditions

- No fire or explosion

- Others (please explain) : Charging current turned to be 0 A in 1 min

Engineering Evaluation

Project Number:	**EFSH24070036-IE-01-L02**	**Standard:**	**UL 62133-2**		
Company Name:	**GlobTek, Inc.**	**Edition:**	**First**		
Product:	**Lithium-Ion Battery Pack**	**Revision Date/AMD:**			
Evaluator:	Pengcheng WANG	**Reviewer:**			
Date:	**2026-11-02**				

Engineering Evaluation

Project Number:	**EFSH24070036-IE-01-L02**	**Standard:**	**UL 62133-2**		
Company Name:	**GlobTek, Inc.**	**Edition:**	**First**		
Product:	**Lithium-Ion Battery Pack**	**Revision Date/AMD:**			
Evaluator:	Pengcheng WANG	**Reviewer:**			
Date:	**2026-11-02**				

Attachment I:

Figure/item No.	Object/ Parts No.	Manufacturer/ Trademark	Type/ Model	Technical Data	Standard (Edition / year)	Mark(s) of Conformity	Secured Method
83/1	Cell	LISHEN	LR2170SD, 03BCEA5	Ratings: 3,6 Vdc, Rated capacity: 4900 mAh, nominal capacity: 5000 mAh	IEC 62133-2:2017/AMD 1:2021	BE-44800	--
84/2	Alternative Cell	LISHEN	LR2170SZ	Rated Voltage: 3,6 V Rated Capacity: 4900 mAh Nominal Capacity: 5000 mAh	IEC 62133-2:2017/AMD 1:2021	NL-100631	--
67/3	Connector (Optional)	Molex L L C	39-01-2040	Min.V-2	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	Alternative Connector (Optional)	Molex L L C	39-01-2060	Min.V-2	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	Alternative Connector (Optional)	Interchangea ble	Interchangea ble	Min.V-2	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	Alternative Connector (Optional)	Molex L L C	39-01-2080	Min.V-2	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
31/4	Plastic housing (Optional)	SABIC INNOVATIVE PLASTICS B V	945（GG）	Min. V-0, Min. 120°C, Min. 2.0mm thickness	UL 764	UL E45329	Soldered With PCB
--	Alternative Plastic housing	SABIC JAPAN L L C	945（GG）	Min. V-0, Min. 120°C, Min. 2.0mm thickness	UL 764	UL E207780	Soldered With PCB

KEY: I = Information Required Q = Question S = Samples Required T = Test Required R = Remark C = Comment

	(Optional)						
--	Alternative Plastic housing (Optional)	SABIC INNOVATIVE PLASTICS B V	C2950	Min. V-0, Min. 75°C Min. 2.0mm thickness	UL 764	UL E45329	Soldered With PCB
--	Alternative Plastic housing (Optional)	SABIC JAPAN L L C	C2950	Min. V-0, Min. 75°C Min. 2.0mm thickness	UL 764	UL E207780	Soldered With PCB
72/5	Internal Wire	Interchangea ble	Interchangea ble	Min. 24AWG, Min.300V, Min.80°C	UL 758	UL approved	Soldered With PCB
30/6	positve tip c ap	Suzhou Industrial Park ZTNY New Energy Technology Co.,Ltd.	Positive Button/tip	diameter 4.8mm，height 2.25mm，	IEC 62133-2：2017/AMD1:2021	Tested with battery	Soldered With battery
PCB1							
68/7	PCB	SHUANG MING INDUSTRY CO LTD	T005V0	V-0, 130 ºC	UL 796	UL E78017	Soldered With battery
--	Alternative PCB	Interchange able	Interchange able	V-0, 130 ºC	UL 796	UL approved	Soldered With battery
--	F1	WAYON	S20059F-LP600F	6A/20V	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	IC (U1)	TEXAS INSTRUME NTS	BQ27742-G1	VVPWR：-0.3~20V TA：-40~85℃	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
PCB2							
69/8	PCB	Shenzhen Jia Li Chuang Technology Developmen t Co LTD	JLC-2	V-0, 130 ºC	UL 796	UL E479892	Soldered With battery
--	Alternative PCB	Interchange able	Interchange able	V-0, 130 ºC	UL 796	UL approved	Soldered With battery

--	IC (U1)	Sino Wealth	SH366002	Vcc：1.7~2V VBAT：2.5~5.5V	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	IC (U2)	HYCON	HY2113-FB2B	VDD-VSS：1.5~8V VDD-VCS：1.5~20V	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	IC (U3)	HYCON	HY2115-OB9D	VDSOP1：1.5~8V VDSOP2：1.5~20V	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	MOSFET Q1,Q2，Q3，Q4	VBsemi	VBC6N2014	VDS：20V VGS：±12V TJ：-55~150℃ ID：0~6.2A（25℃）	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
PCB3							
71/9	PCB	GUANGDE BOYA XINXING ELECTRONI CTECHNOL OGY CO LTD	BY-1	V-0, 130 ºC	UL 796	UL E475783	Soldered With battery
--	Alternative PCB	Interchange able	Interchange able	V-0, 130 ºC	UL 796	UL approved	Soldered With battery
--	IC (U1)	TEXAS INSTRUME NTS	BQ40Z50-R2	Vcc：2.2~26V Topr：-40~85℃	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	IC (U2)	TEXAS INSTRUME NTS	BQ294702	Vcc：2.2~26V Topr：-40~85℃	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	F1（1S4P)	WAYON	WPF12A1J	12A/3.0V-4 .5V	IEC 62133-	Tested with	Soldered With

					2:2017/AMD 1:2021	battery	PCB
--	F1 (2S(1-4)P)	Dexerials	SFJ-0812U	12A/4.0V-9 .0V	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	F1 (3S(1-4)P)	Dexerials	SFJ-1212U	12A/7.4V-1 3.8V	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	F1 (4S(1-4)P)	Dexerials	SFJ-1412U	12A/10.5V-19.6V	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	MOSFET Q2,Q3, Q6, Q7 (1S4P&(2-4)S（2-4）P)	NCEPOWER	NCEP3065QU	65A 30V 2mΩ	IEC 62133-2: 2017/AMD1: 2021	Tested with battery	Soldered With PCB
--	MOSFET Q2,Q3, ((2-4)S1P)	NCEPOWER	NCEP3065QU	65A 30V 2mΩ	IEC 62133-2: 2017/AMD1: 2021	Tested with battery	Soldered With PCB
--	MOSFET Q5	vishay	SI1416EDH-T1-GE3	3.9A 30V 58mΩ	IEC 62133-2: 2017/AMD1: 2021	Tested with battery	Soldered With PCB
--	MOSFET Q4	KEC	2N7002A	115mA/60V	IEC 62133-2: 2017/AMD1: 2021	Tested with battery	Soldered With PCB
--	**Alternative**	**PANJIT International Inc.**	**2N7002K**	**300mA/60V**	**IEC 62133-2: 2017/AMD1: 2021**	**Tested with battery**	**Soldered With PCB**
PCB4							
73/10	PCB	Shenzhen Jia Li Chuang Technology Developmen t Co LTD	JLC-2	V-0, 130 ºC	UL 796	UL E479892	Soldered With battery

KEY: I = Information Required Q = Question S = Samples Required T = Test Required R = Remark C = Comment

Engineering Evaluation

Project Number:	**EFSH24070036-IE-01-L02**	**Standard:**	**UL 62133-2**		
Company Name:	**GlobTek, Inc.**	**Edition:**	**First**		
Product:	**Lithium-Ion Battery Pack**	**Revision Date/AMD:**			
Evaluator:	Pengcheng WANG	**Reviewer:**			
Date:	**2026-11-02**				

--	Alternative PCB	Interchange able	Interchange able	V-0, 130 ºC	UL 796	UL approved	Soldered With battery
--	IC (U1)	SinoWealth	SH367202I/008IY-ACA00	VDD：2.5~30V ICC:7μA	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	IC (U2)	SinoWealth	SH366006	VDD:-0.3~7V VBAT：5~25V	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	F1 (2S(1-4)P)	Dexerials	SFJ-0812U	12A/4.0V-9 .0V	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	F1 (3S(1-4)P)	Dexerials	SFJ-1212U	12A/7.4V-1 3.8V	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	F1 (4S(1-4)P)	Dexerials	SFJ-1412U	12A/10.5V-19.6V	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	MOSFET Q2,Q3, Q5 ,Q6 ((2-4)S （2-4） P)	NCEPOWER	NCEP3065QU	65A 30V 2mΩ	IEC 62133-2：2017/AMD1:2021	Tested with battery	Soldered With PCB
--	MOSFET Q2,Q3, ((2-4)S1P)	NCEPOWER	NCEP3065QU	65A 30V 2mΩ	IEC 62133-2：2017/AMD1:2021	Tested with battery	Soldered With PCB
--	F1 (4S(1-4)P)	Dexerials	SFJ-1412U	12A/10.5V-19.6V	IEC 62133-2:2017/AMD 1:2021	Tested with battery	Soldered With PCB
--	MOSFET Q4	vishay	SI1416EDH-T1-GE3	3.9A 30V 58mΩ	IEC 62133-2：2017/AMD1:2021	Tested with battery	Soldered With PCB
--	MOSFET Q1	KEC	2N7002A	115mA/60V	IEC 62133-2：2017/AMD1:	Tested with battery	Soldered With PCB

KEY: I = Information Required Q = Question S = Samples Required T = Test Required R = Remark C = Comment

Engineering Evaluation

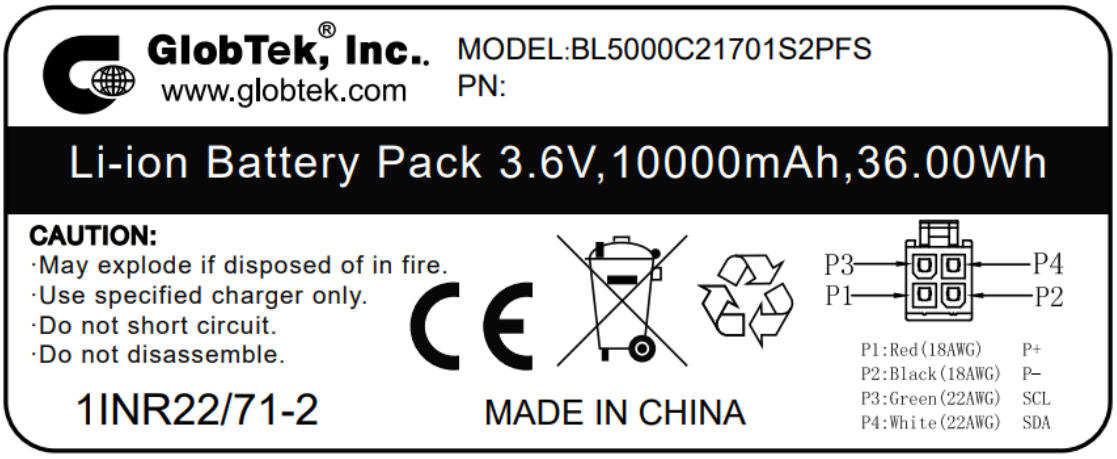
Project Number:	**EFSH24070036-IE-01-L02**	**Standard:**	**UL 62133-2**		
Company Name:	**GlobTek, Inc.**	**Edition:**	**First**		
Product:	**Lithium-Ion Battery Pack**	**Revision Date/AMD:**			
Evaluator:	Pengcheng WANG	**Reviewer:**			
Date:	**2026-11-02**				

					2021		
--	**Alternative**	**PANJIT International Inc.**	**2N7002K**	**300mA/60V**	**IEC 62133-2：2017/AMD1:2021**	**Tested with battery**	**Soldered With PCB**

Engineering Evaluation

Project Number:	**EFSH24070036-IE-01-L02**	**Standard:**	**UL 62133-2**		
Company Name:	**GlobTek, Inc.**	**Edition:**	**First**		
Product:	**Lithium-Ion Battery Pack**	**Revision Date/AMD:**			
Evaluator:	Pengcheng WANG	**Reviewer:**			
Date:	**2026-11-02**				

Attachment II：



The above examplenameplate for BL5000C21701S2PFS represents the basic format used by all models in this report.

Nameplate differences for models covered in this report:

1. MODEL: BL5000C2170*F*(the 1st*part denotes for battery packs configuration, which may be 1S1P,1S2P,1S3P,1S4P,2S1P,2S2P,2S3P,2S4P,3S1P,3S2P,3S3P,3S4P,4S1P,4S2P,4S3P,4S4P , the 2nd*part denotes the IC type which can be T or S,T - Texas Instruments S - Sinowealth)

2. Ratings: Refer to P.8 Table 1

3. The number of connector pins, which can be 4, 6, 8 or others, and the corresponding pinout.

4. When cell= LR2170SD, battery designation=*INR22/72-*; When cell= LR2170SZ, battery designation=*INR22/71-*; The 1st*part denote the number of series connected cells in the battery;The 2nd*part denote the number of parallel connected cells if 2 or greater (-*not shown if value is 1).

Engineering Evaluation

Project Number:	**EFSH24070036-IE-01-L01-M1**	**Standard:**	**UL 62133-2**		
Company Name:	**GlobTek, Inc.**	**Edition:**	**First**		
Product:	**Lithium-Ion Battery Pack**	**Revision Date/AMD:**			
Evaluator:	Pengcheng WANG	**Reviewer:**			
Date:	**2026-06-04**				

Attachment III:

Figure 1

Overview of battery for 1S1P

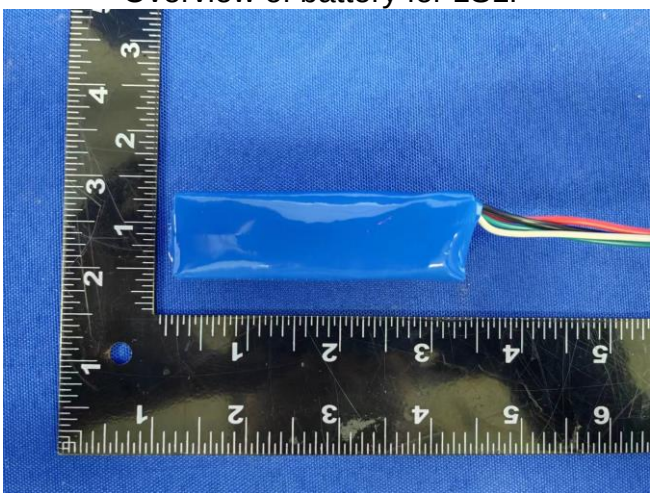


Figure 2

Overview of battery for 1S1P



KEY: I = Information Required Q = Question S = Samples Required T = Test Required R = Remark C = Comment

Figure 3

Overview of battery for 1S3P

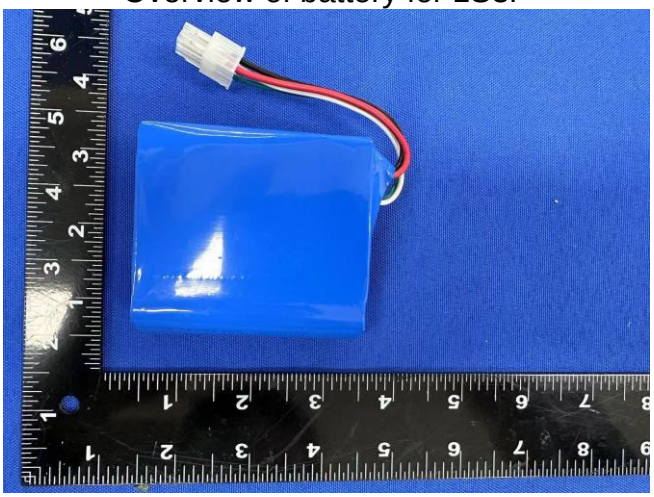


Figure 4

Overview of battery for 1S3P

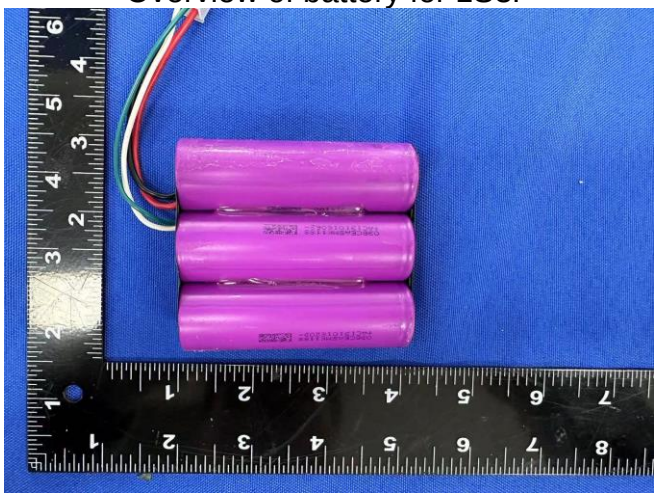


Figure 5

Overview of battery for 1S4P

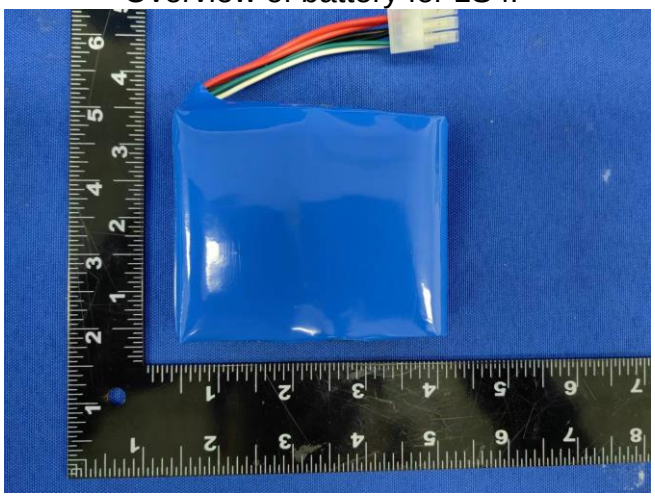


Figure 6

Overview of battery for 1S4P

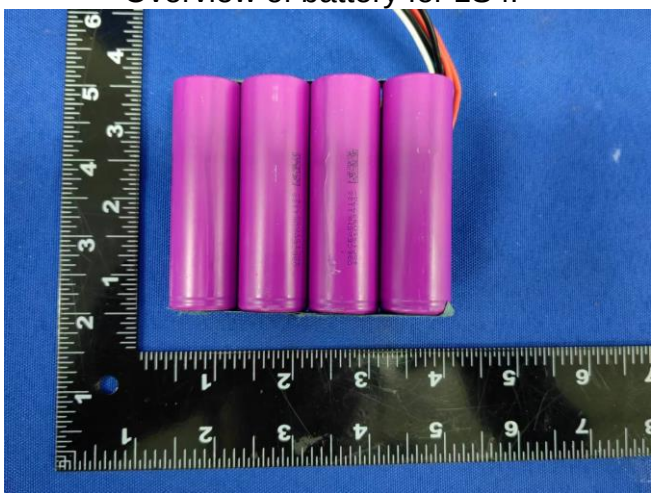


Figure 7

Overview of battery for 2S1P

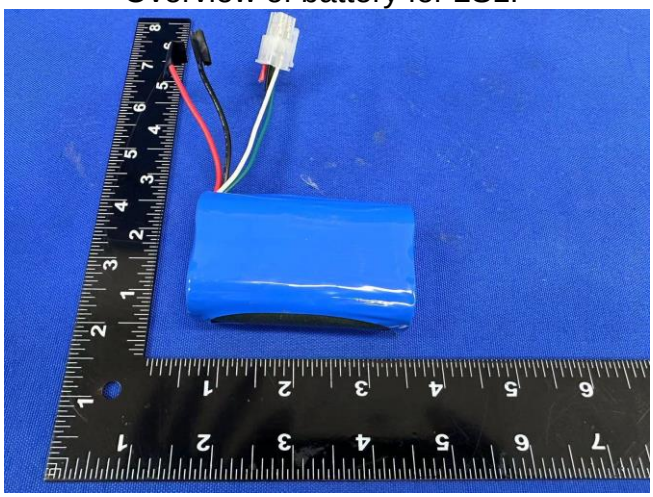


Figure 8

Overview of battery for 2S1P

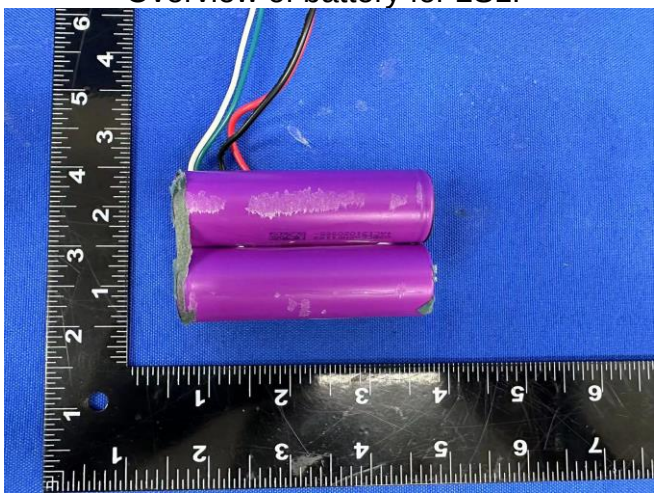


Figure 9

Overview of battery for 2S2P

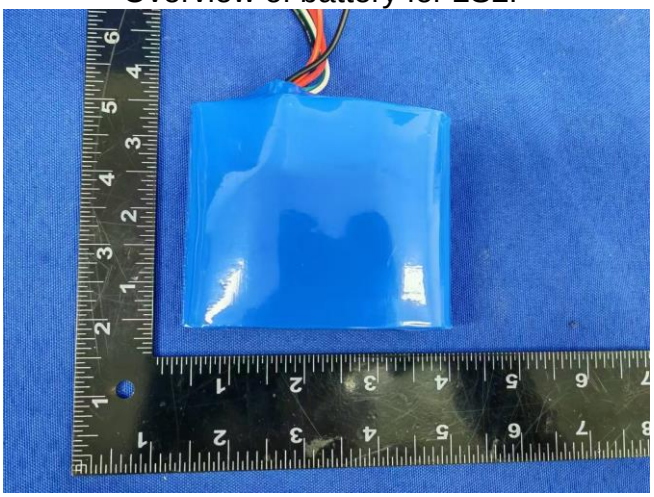


Figure 10

Overview of battery for 2S2P

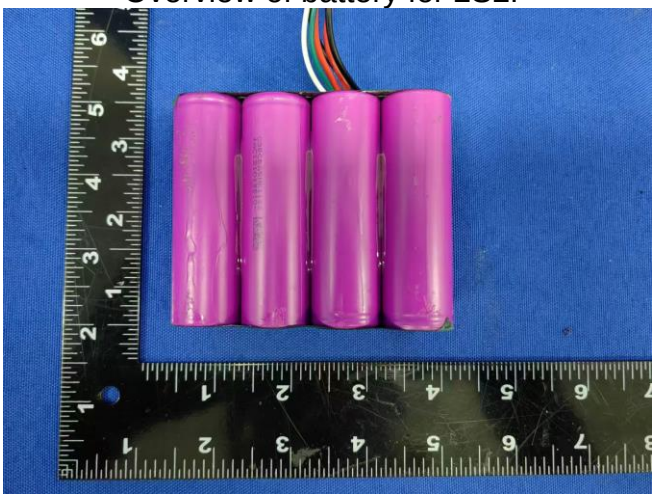


Figure 11

Overview of battery for 2S3P

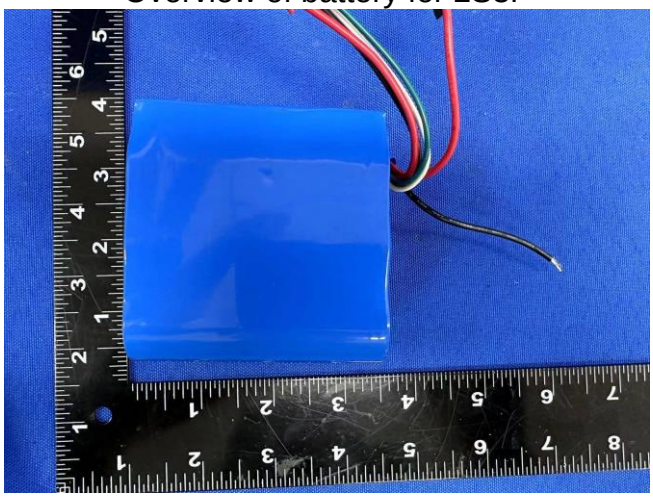


Figure 12

Overview of battery for 2S3P

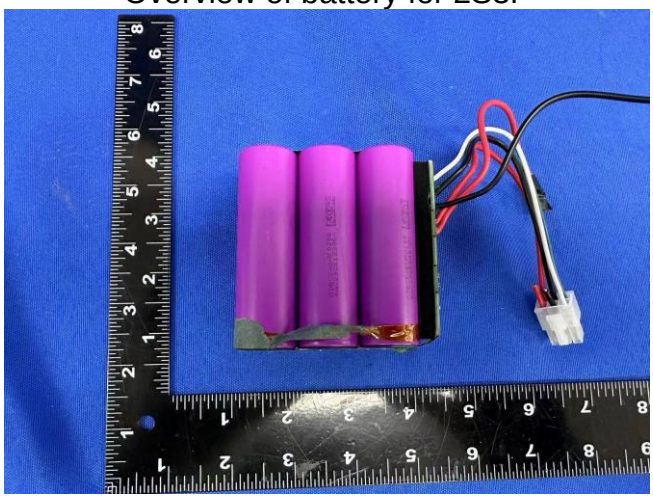


Figure 13

Overview of battery for 2S4P

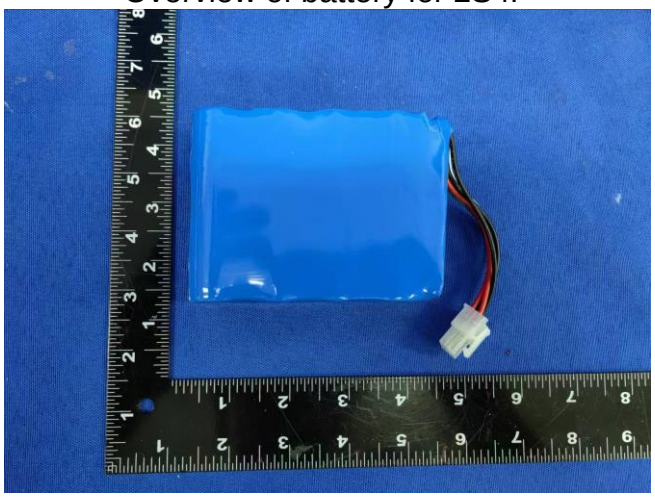


Figure 14

Overview of battery for 2S4P

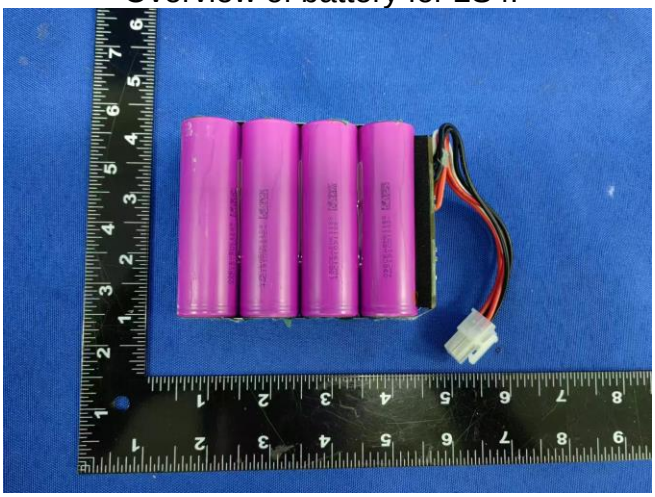


Figure 15

Overview of battery for 3S1P

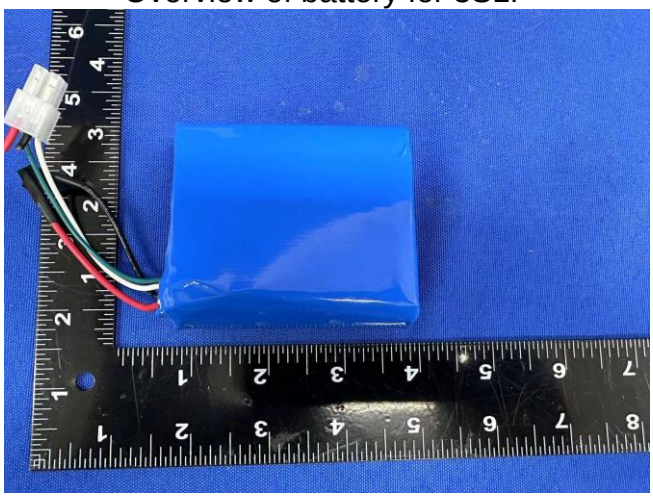


Figure 16

Overview of battery for 3S1P

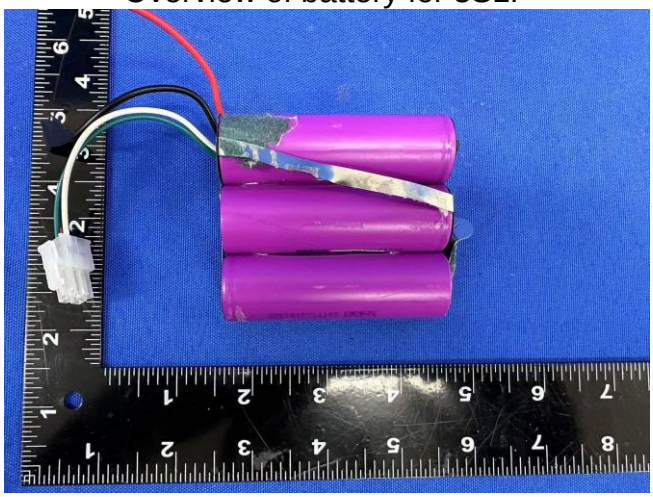


Figure 17

Overview of battery for 3S3P



Figure 18

Overview of battery for 3S3P

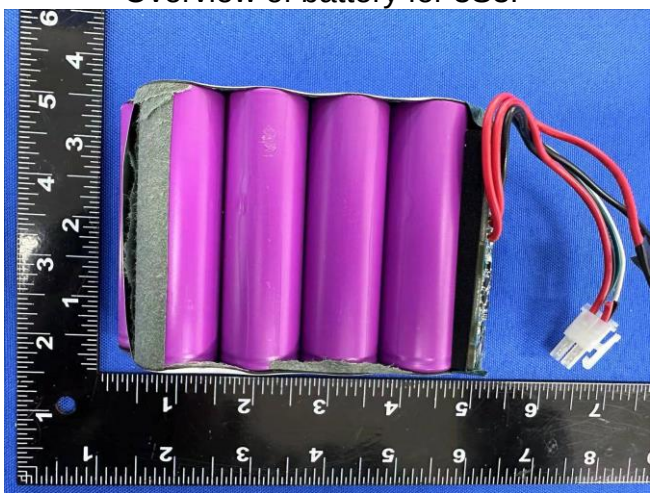


Figure 19

Overview of battery for 3S4P

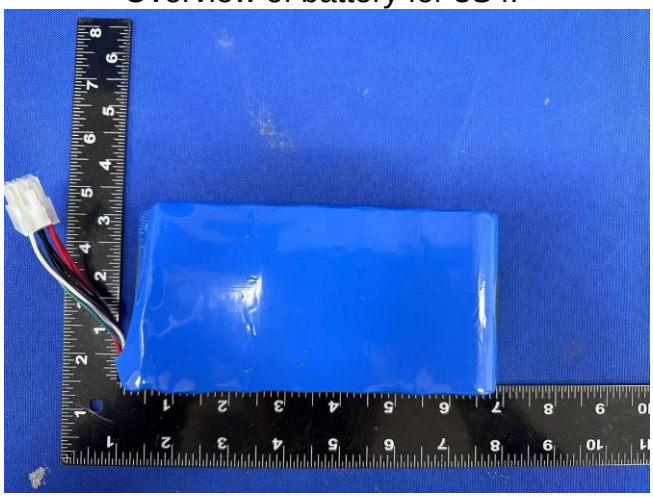


Figure 20

Overview of battery for 3S4P

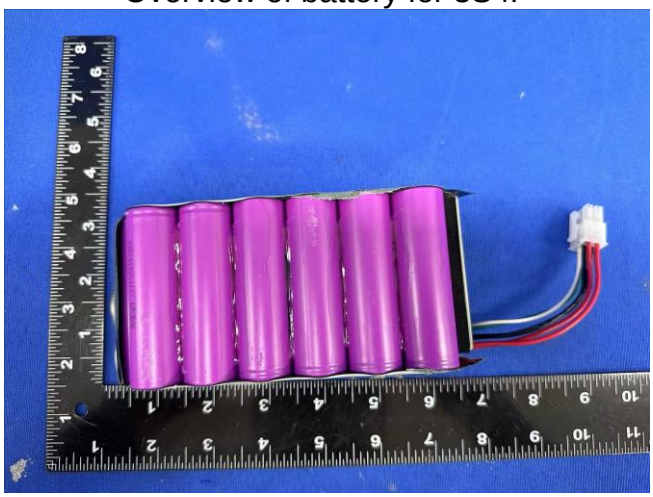


Figure 21

Overview of battery for 4S1P

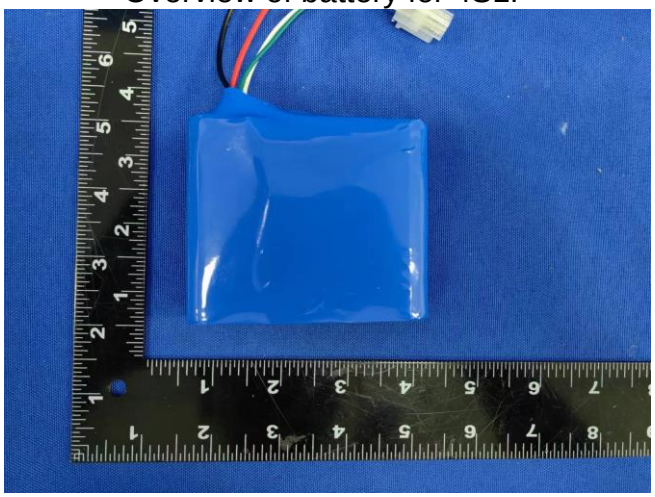


Figure 22

Overview of battery for 4S1P

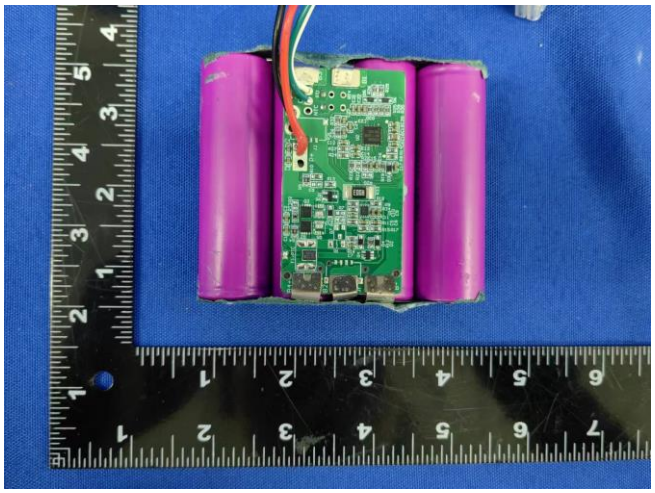


Figure 23

Overview of battery for 4S2P

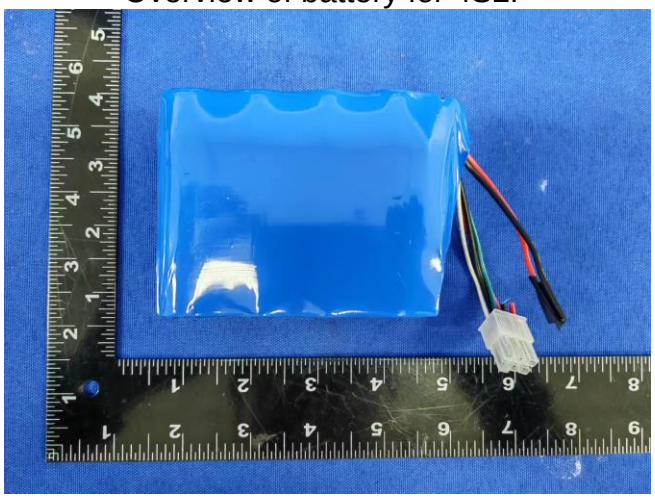


Figure 24

Overview of battery for 4S2P

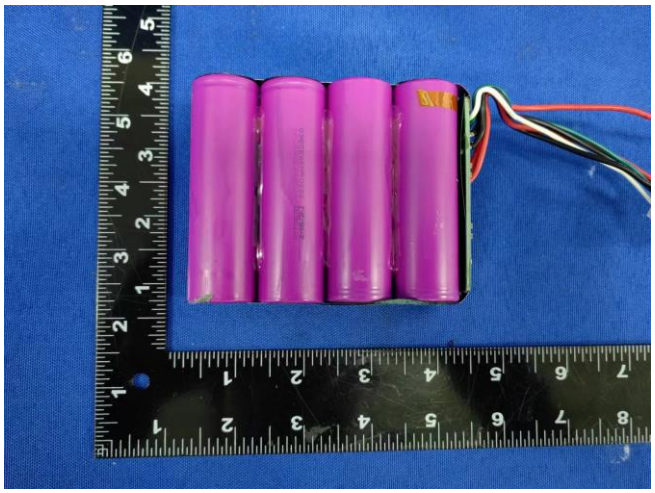


Figure 25

Overview of battery for 4S3P

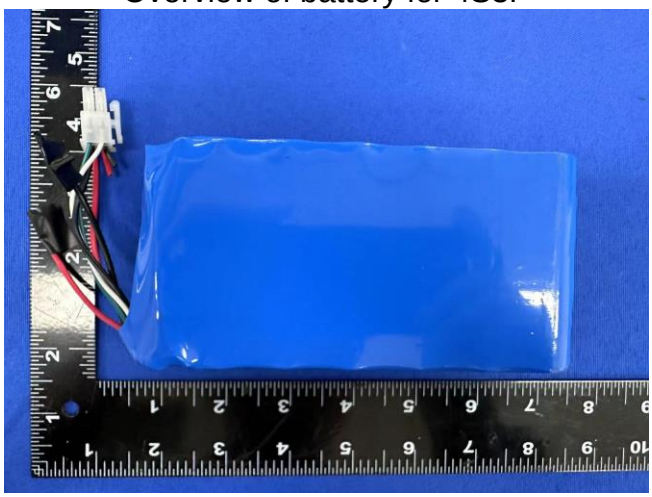


Figure 26

Overview of battery for 4S3P



Figure 27

Overview of battery for 4S4P

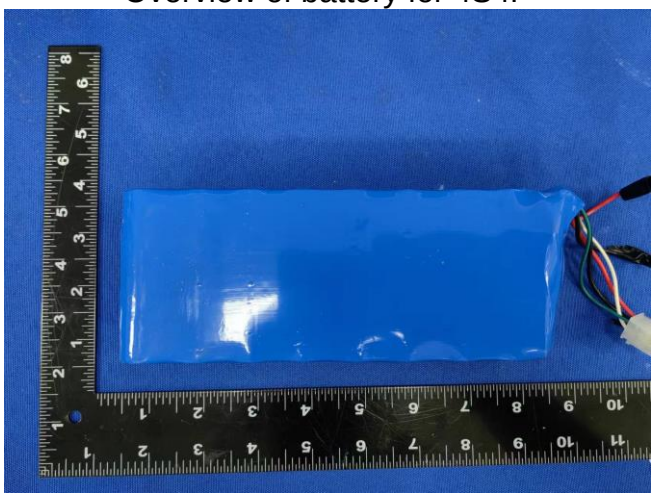


Figure 26

Overview of battery for 4S4P

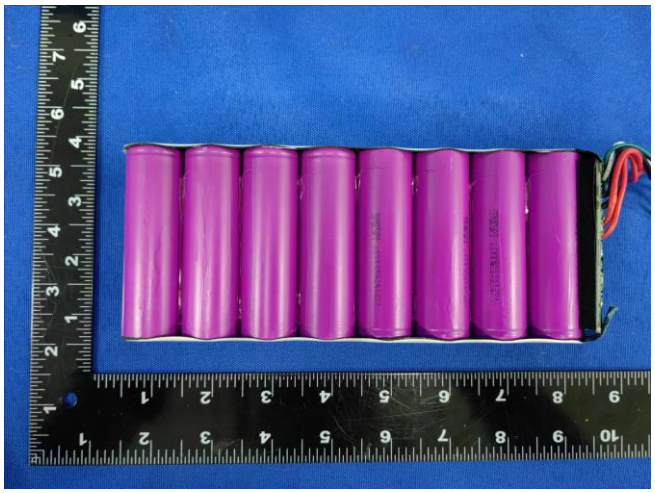


Figure 29

Overview of battery for 1S1P- Shrink wrap plastic with positive button top

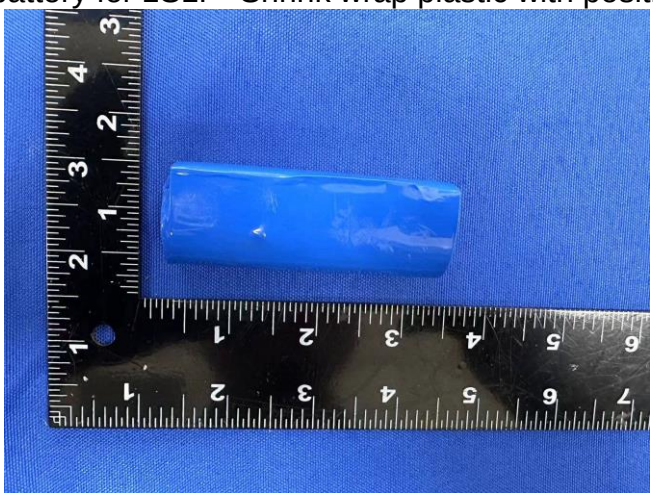


Figure 30

Overview of battery for 1S1P- Shrink wrap plastic with positive button top

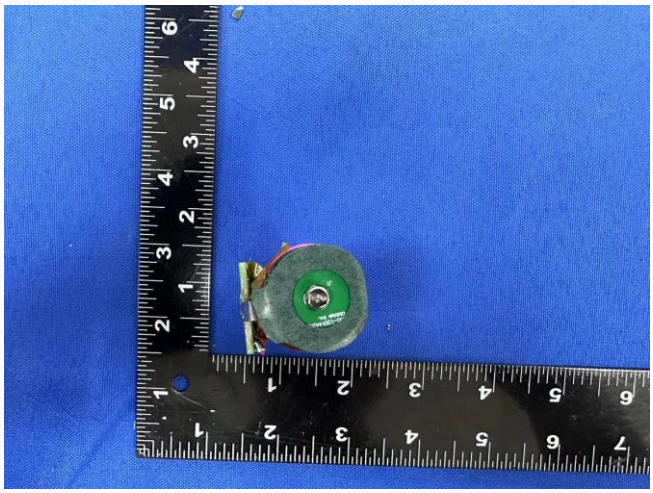


Figure 31

Overview of battery for 1S1P- Battery With Plastic housing



Figure 32

Overview of battery for 1S1P- Battery With Plastic housing

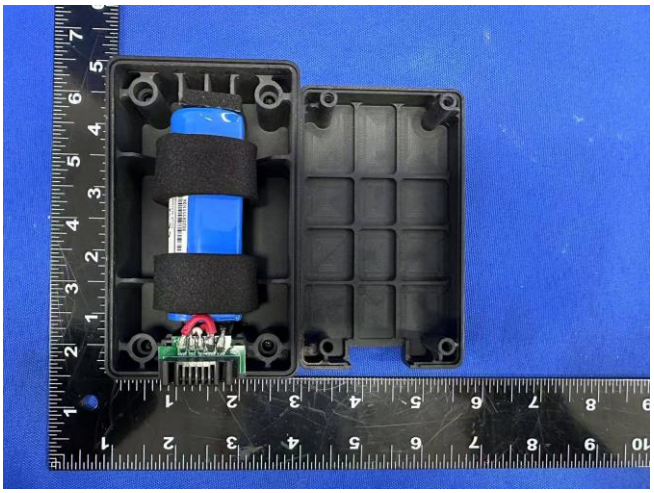


Figure 33

Overview of battery for 1S1P- Battery With Plastic housing

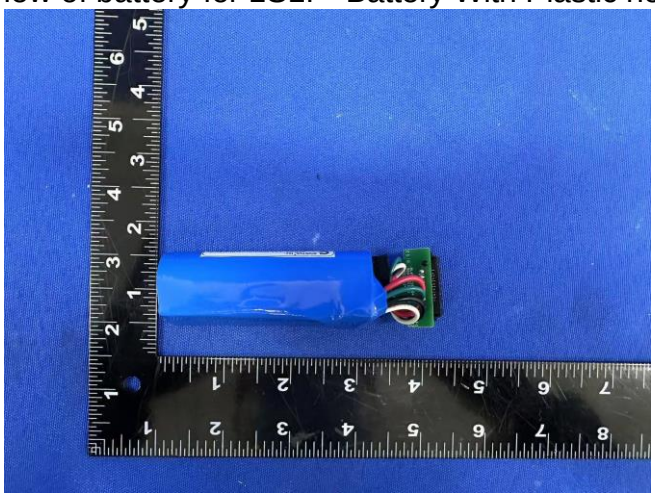


Figure 34

Overview of battery for 1S1P- Battery With Plastic housing

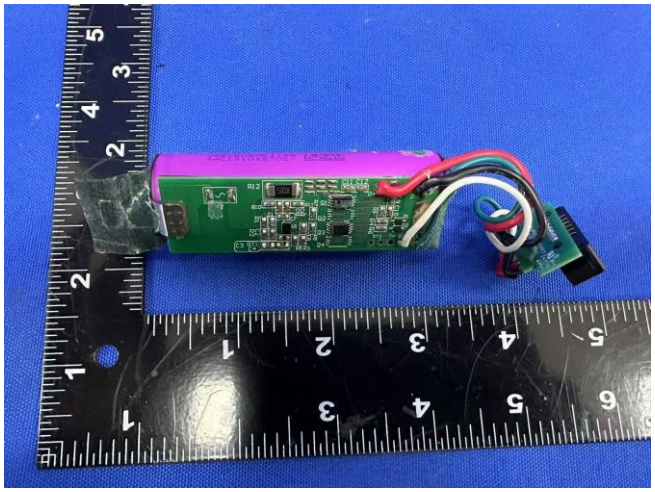


Figure 35

Overview of battery for 1S3P- Battery With Plastic housing



Figure 36

Overview of battery for 1S3P- Battery With Plastic housing

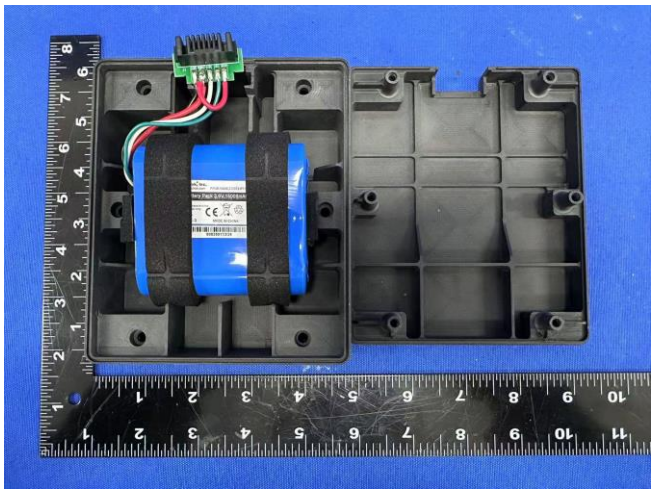


Figure 37

Overview of battery for 1S3P- Battery With Plastic housing

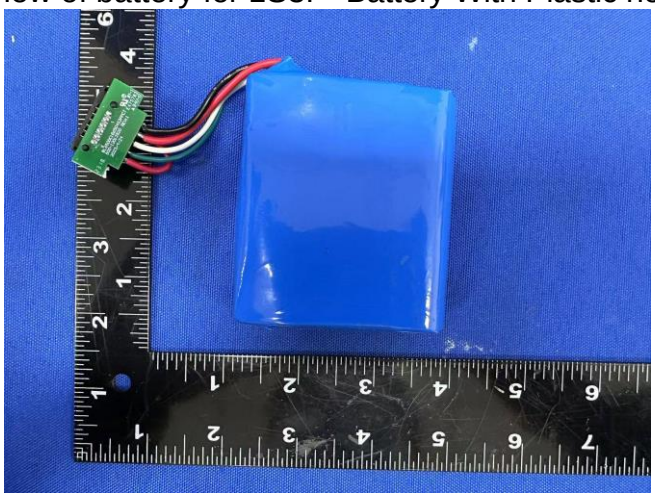


Figure 38

Overview of battery for 1S3P- Battery With Plastic housing

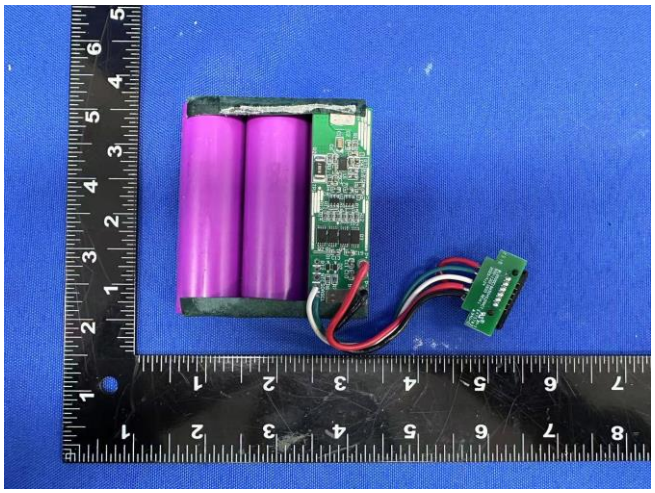


Figure 39

Overview of battery for 1S4P- Battery With Plastic housing



Figure 40

Overview of battery for 1S4P- Battery With Plastic housing

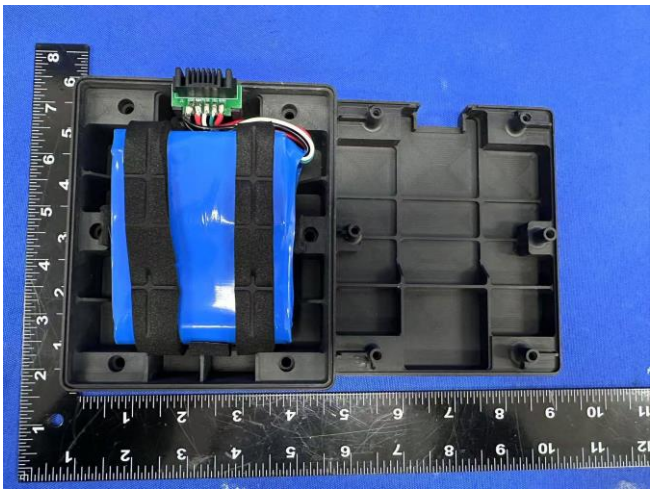


Figure 41

Overview of battery for 1S4P- Battery With Plastic housing

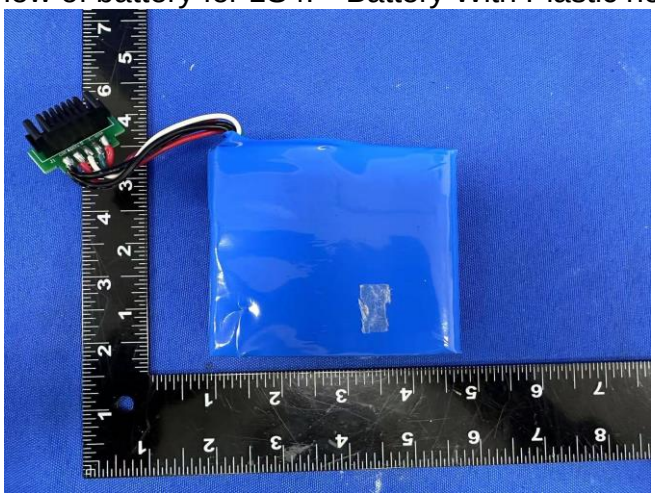


Figure 42

Overview of battery for 1S4P- Battery With Plastic housing



Figure 43

Overview of battery for 2S3P- Battery With Plastic housing



Figure 44

Overview of battery for 2S3P- Battery With Plastic housing

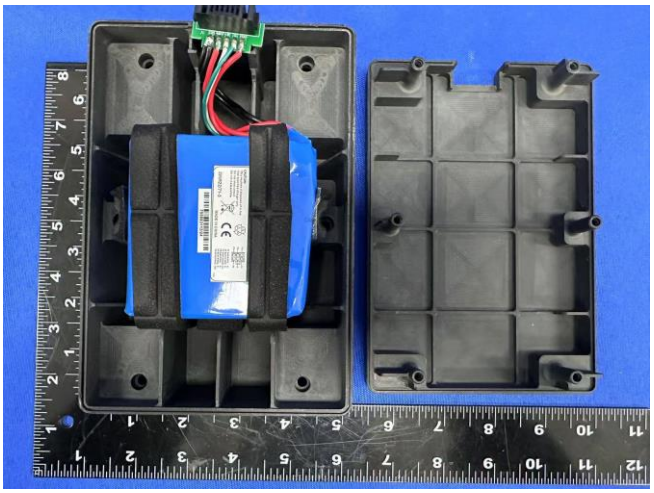


Figure 45

Overview of battery for 2S3P- Battery With Plastic housing

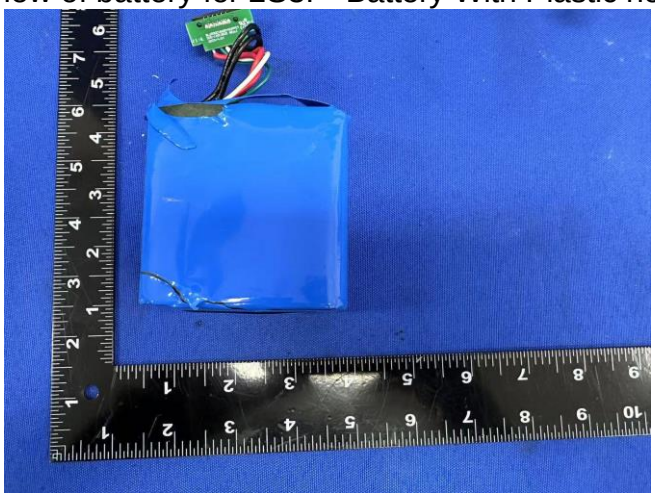


Figure 46

Overview of battery for 2S3P- Battery With Plastic housing

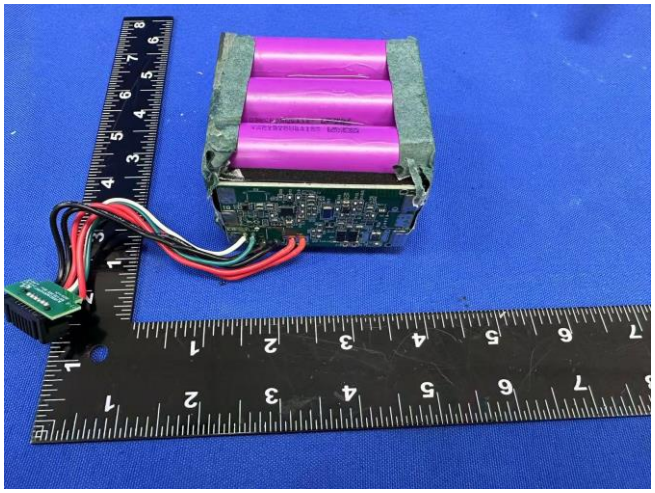


Figure 47

Overview of battery for 3S3P- Battery With Plastic housing



Figure 48

Overview of battery for 3S3P- Battery With Plastic housing

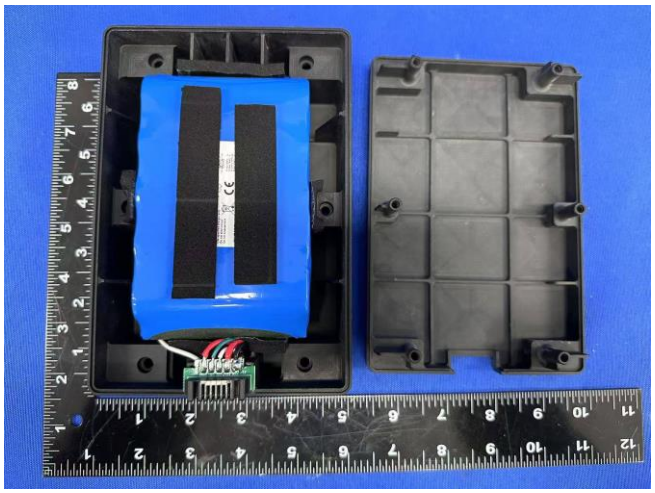


Figure 49

Overview of battery for 3S3P- Battery With Plastic housing

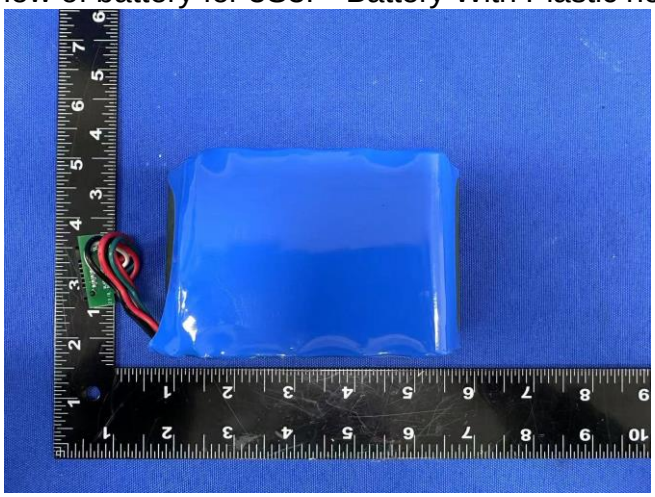


Figure 50

Overview of battery for 3S3P- Battery With Plastic housing

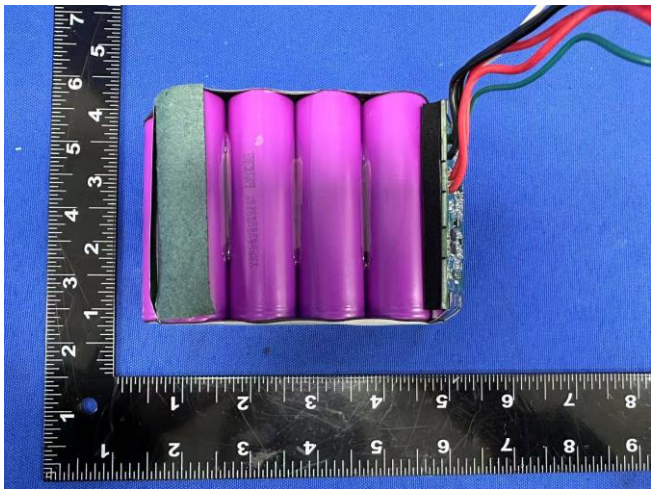


Figure 51

Overview of battery for 4S2P- Battery With Plastic housing



Figure 52

Overview of battery for 4S2P- Battery With Plastic housing

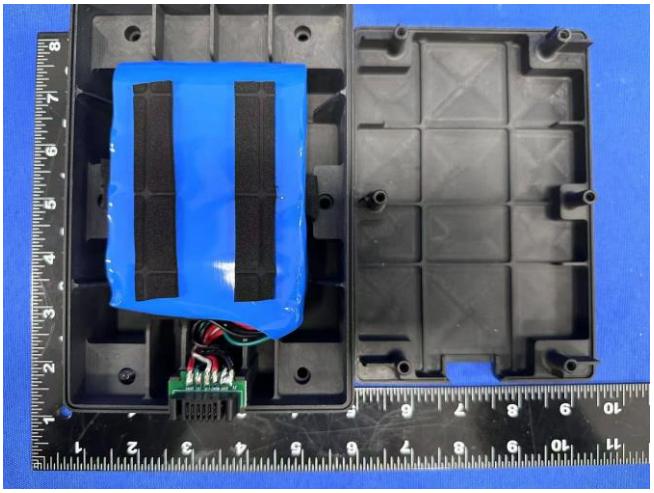


Figure 53

Overview of battery for 4S2P- Battery With Plastic housing

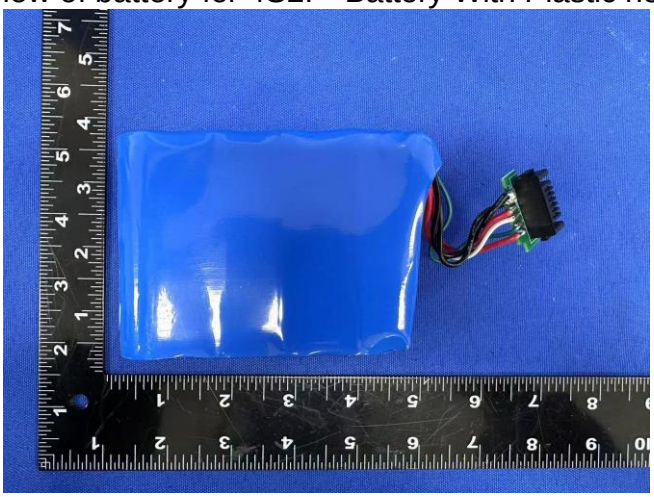


Figure 54

Overview of battery for 4S2P- Battery With Plastic housing

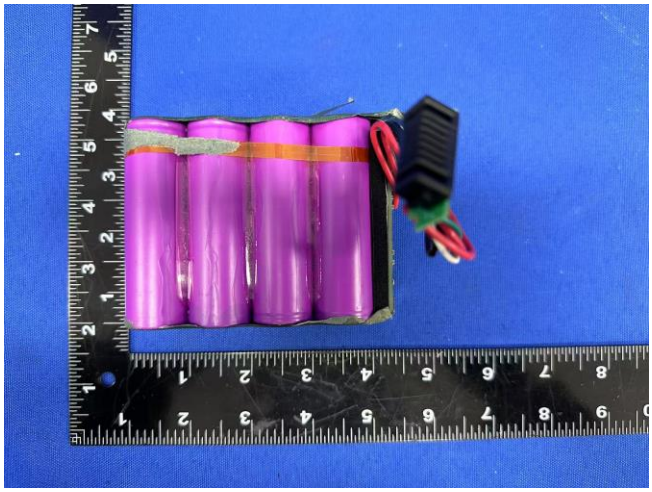


Figure 55

Overview of battery for 4S3P- Battery With Plastic housing



Figure 56

Overview of battery for 4S3P- Battery With Plastic housing

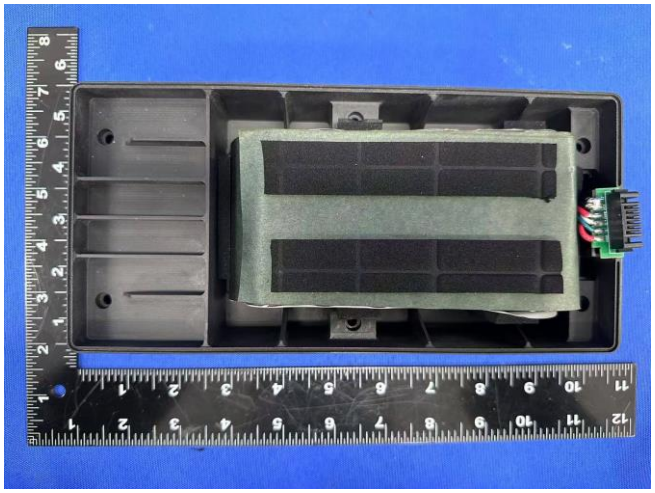


Figure 57

Overview of battery for 4S3P- Battery With Plastic housing

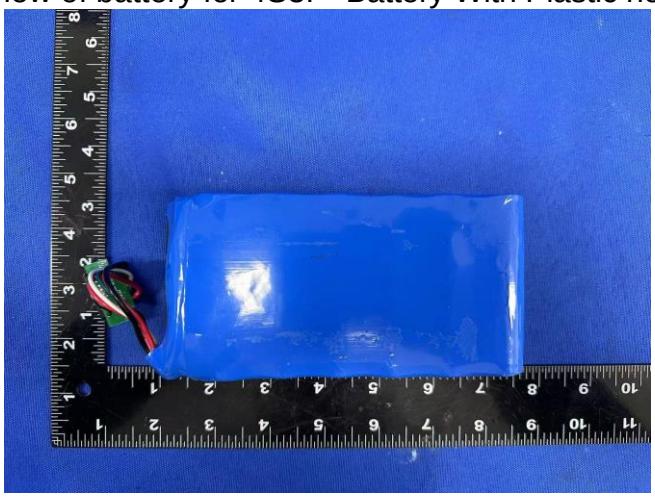


Figure 58

Overview of battery for 4S3P- Battery With Plastic housing

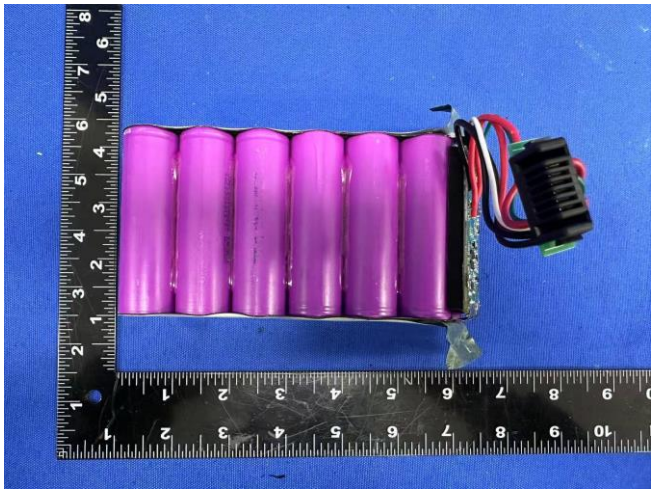


Figure 59

Overview of battery for 4S4P- Battery With Plastic housing

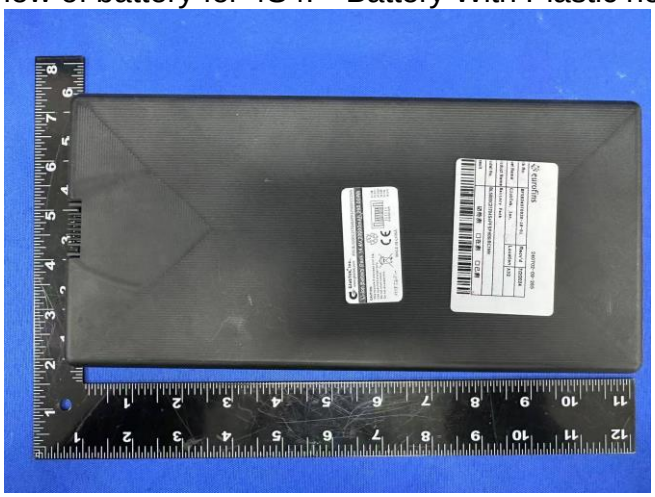


Figure 60

Overview of battery for 4S4P- Battery With Plastic housing

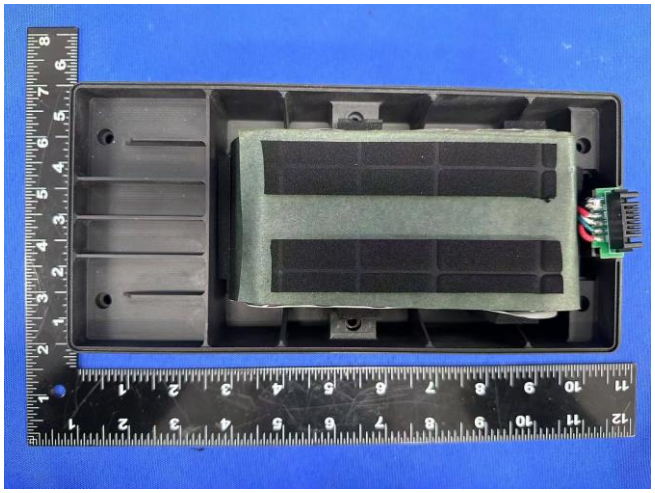


Figure 61

Overview of battery for 4S4P- Battery With Plastic housing

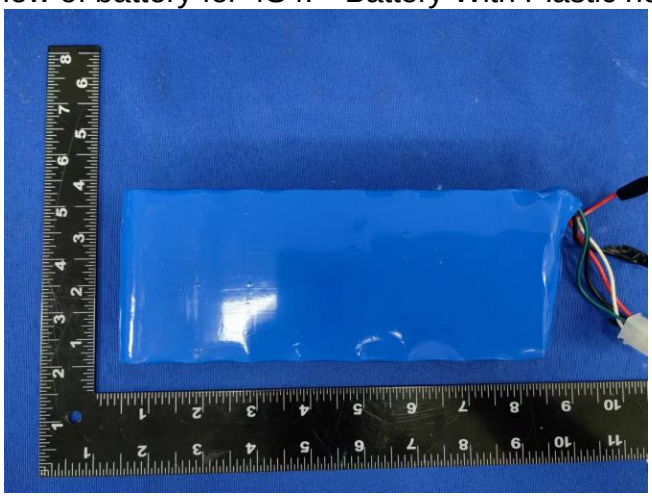


Figure 62

Overview of battery for 4S4P- Battery With Plastic housing

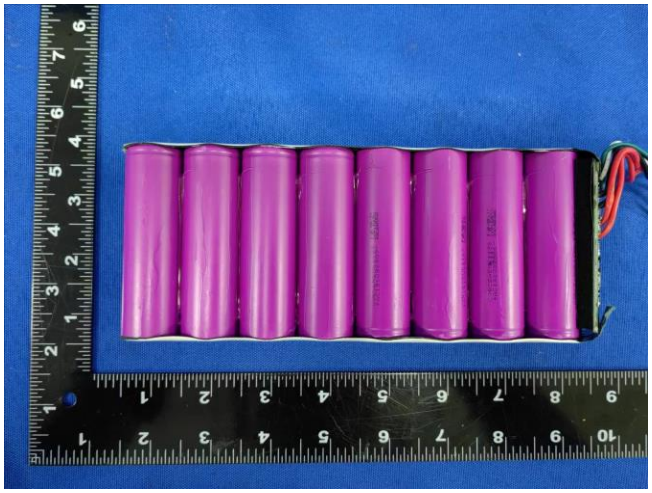


Figure 63

Overview of battery for 1S2P- Battery With Plastic housing



Figure 64

Overview of battery for 1S2P- Battery With Plastic housing

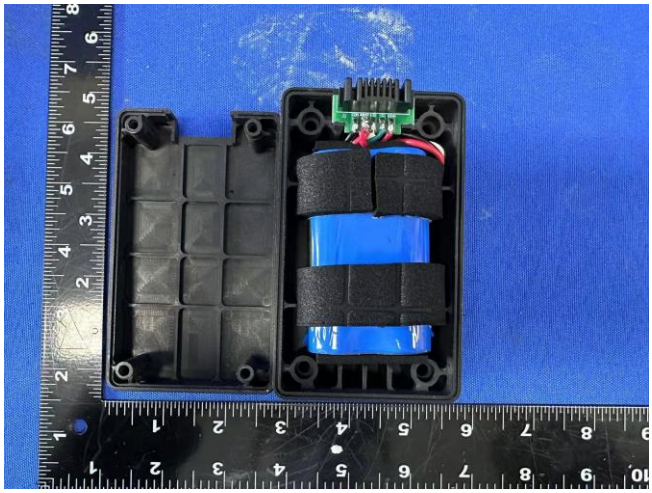


Figure 65

Overview of battery for 1S2P- Battery With Plastic housing

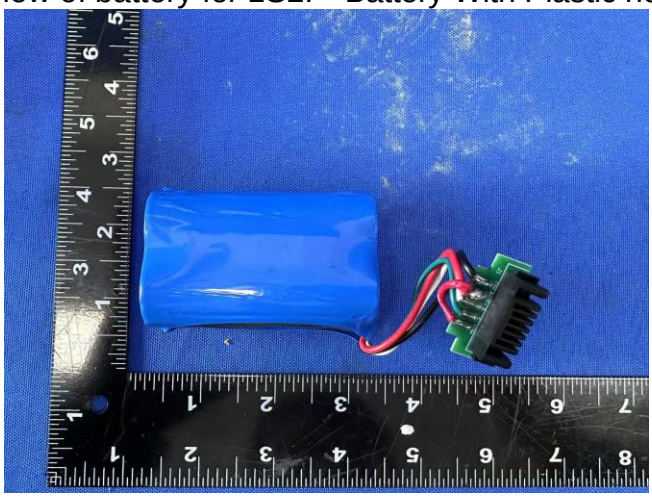


Figure 66

Overview of battery for 1S2P- Battery With Plastic housing

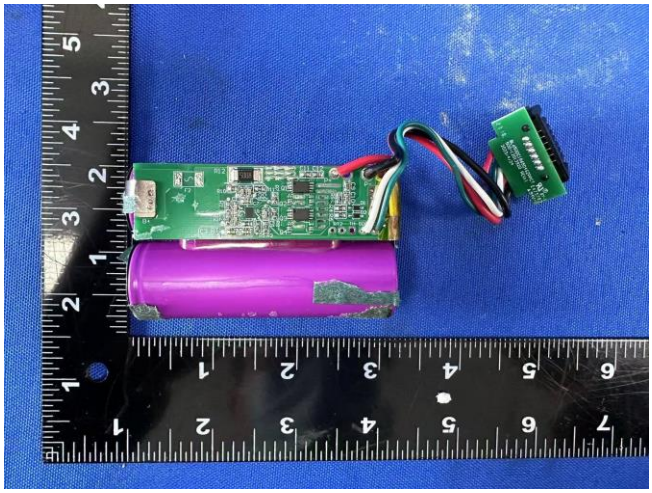


Figure 67

Main board view-PCB1（The PCB1 without the NTC soldered）

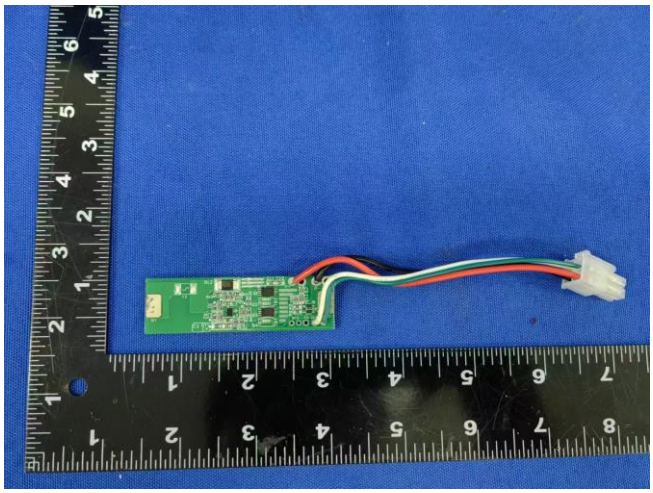


Figure 68

Main board view-（The PCB1 without the NTC soldered）

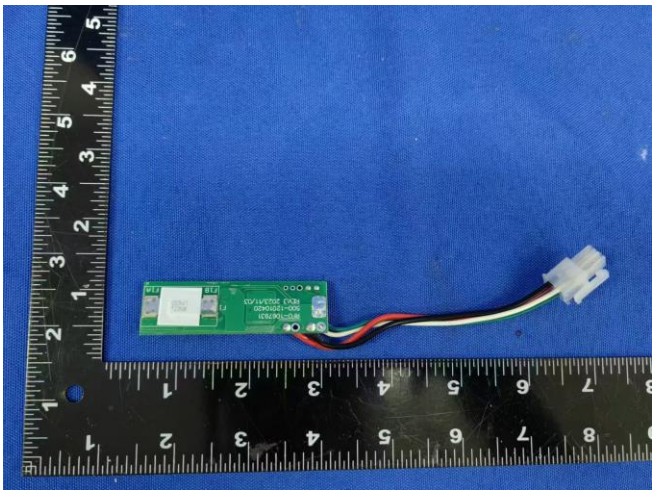


Figure 69

Main board view-（The PCB2 without the NTC soldered）

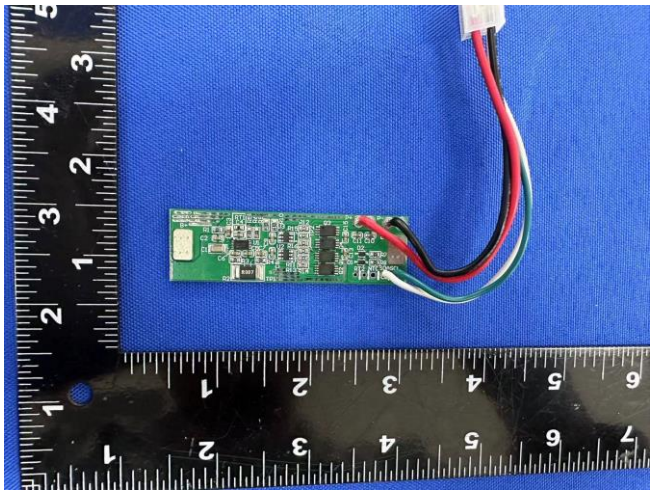


Figure 70

Main board view-（The PCB2 without the NTC soldered）

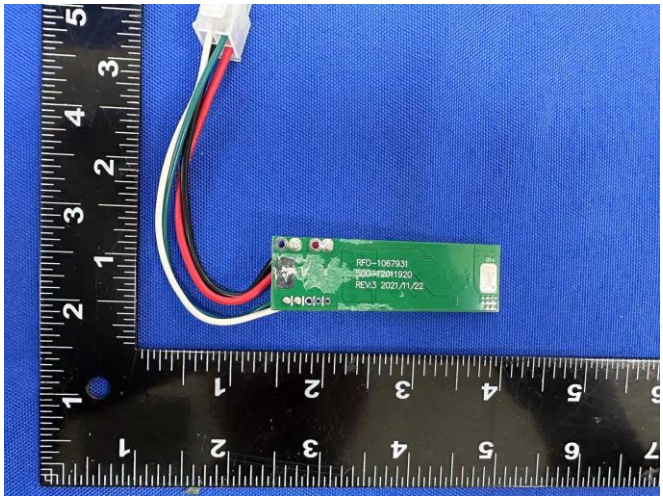


Figure 71

Main board view-（The PCB3 without the NTC soldered）

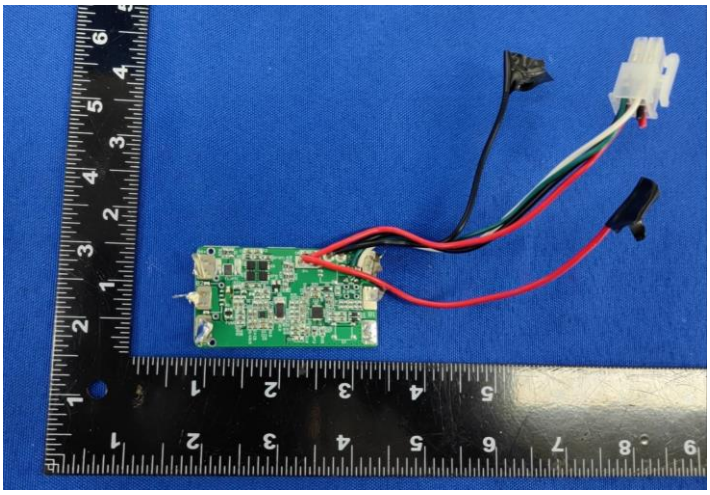


Figure 72

Main board view-（The PCB3 without the NTC soldered）

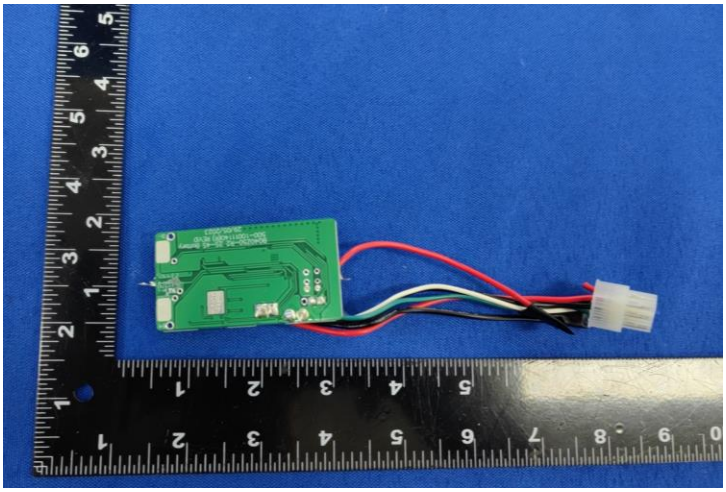


Figure 73

Main board view-（The PCB4 without the NTC soldered）

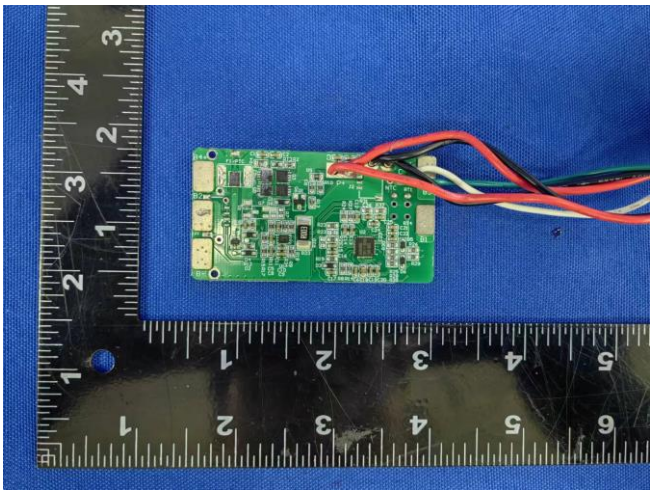


Figure 74

Main board view-（The PCB4 without the NTC soldered）

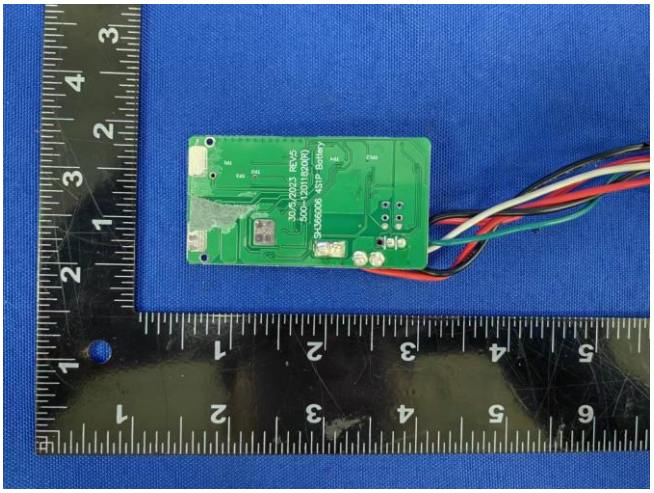


Figure 75

Main board view-（The PCB1 with the NTC soldered）

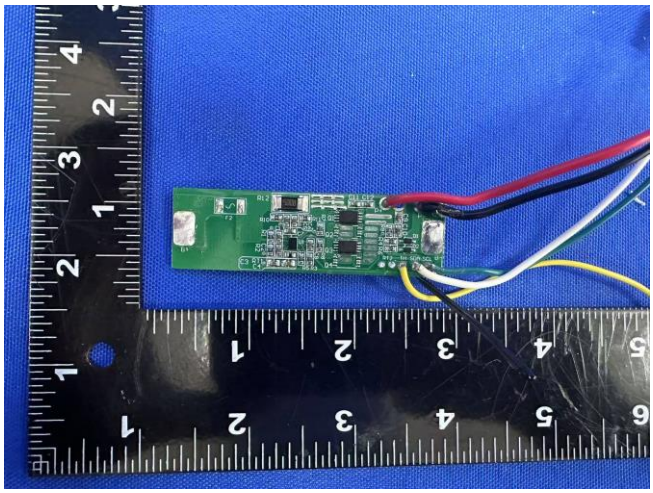


Figure 76

Main board view-（The PCB1 with the NTC soldered）

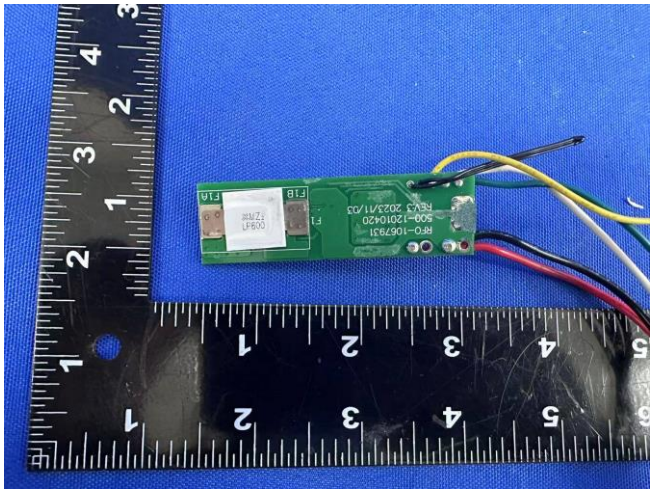


Figure 77

Main board view-（The PCB2 with the NTC soldered）

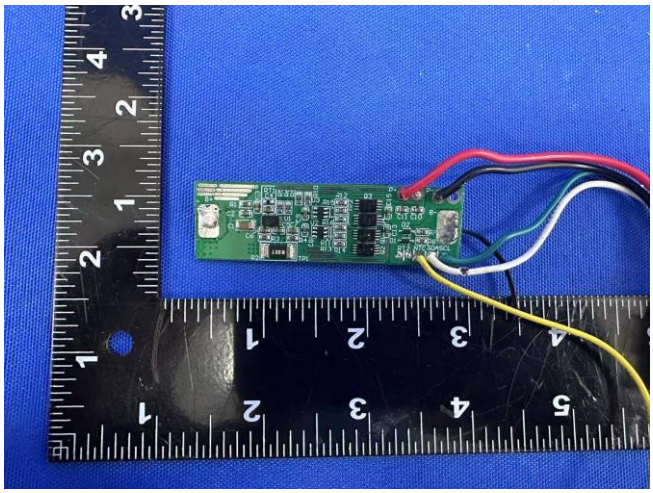


Figure 78

Main board view-（The PCB2 with the NTC soldered）

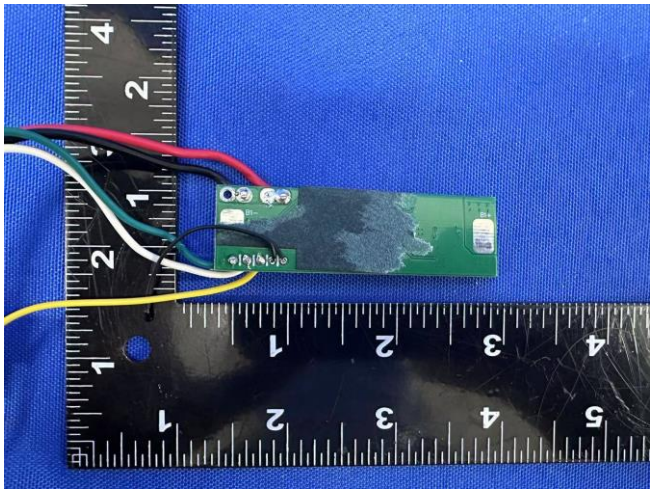


Figure 79

Main board view-（The PCB3 with the NTC soldered）

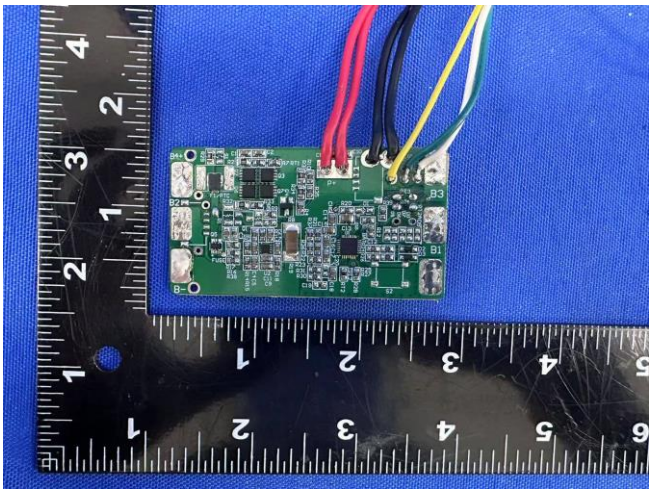


Figure 80

Main board view-（The PCB3 with the NTC soldered）

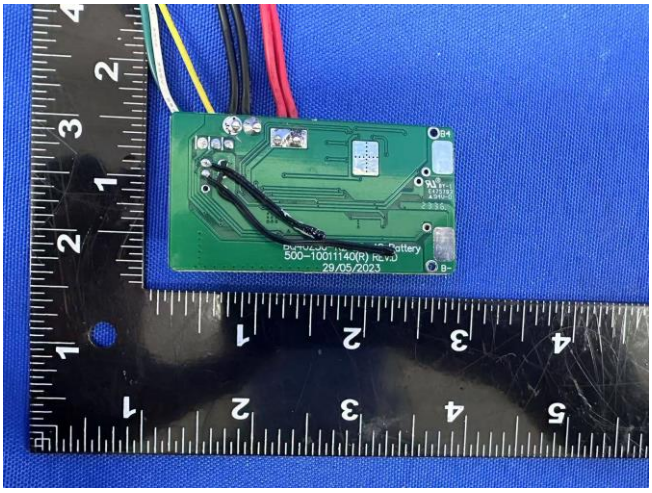


Figure 81

Main board view-（The PCB4 with the NTC soldered）

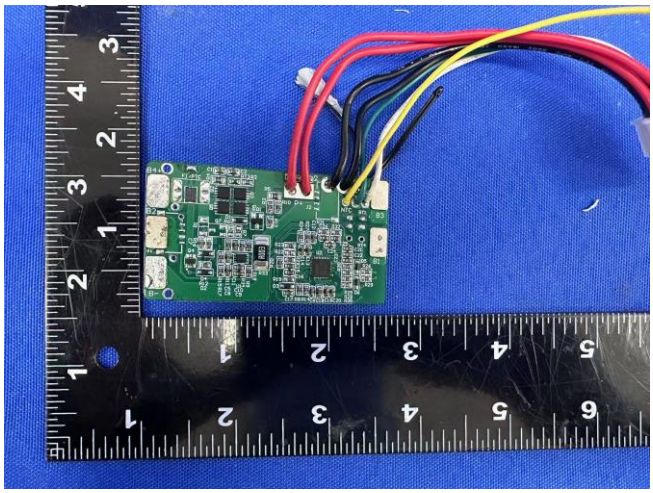


Figure 82

Main board view-（The PCB4 with the NTC soldered）

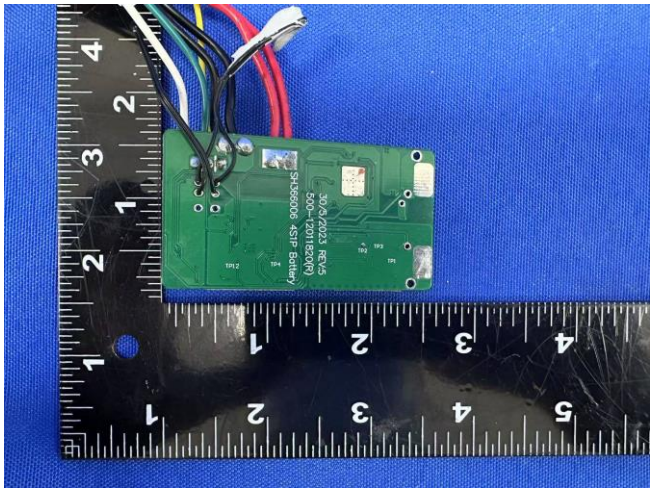


Figure 83

Cell view- LR2170SD, 03BCEA5



Figure 84

Cell view- LR2170SZ



==========END==========

KEY: I = Information Required Q = Question S = Samples Required T = Test Required R = Remark C = Comment