



NO.1125110261

检 测 报 告

Test Report

样品名称：可充式锂离子电池组 PL682734 3.87V 870mAh 3.367Wh

Name of Sample: Rechargeable Li-ion Battery PL682734 3.87V 870mAh 3.367Wh

委托单位：重庆市紫建电子股份有限公司

Consignor: Chongqing VDL Electronics Co., Ltd.



上海化工院检测有限公司

Shanghai Institute of Chemical Industry Testing Co., Ltd.

声 明

Statement

1. 检测报告无本实验室公章（或检验检测专用章）无效。

The test report is invalid if it is not affixed the official seal of the laboratory to it.

2. 复制检测报告未重新加盖本实验室公章（或检验检测专用章）无效。

Copies of the test report without the official seal of the laboratory are invalid.

3. 检测报告无编制、审核、批准人签字无效。

The test report is invalid without the signatures of compiler, checker and approver.

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The test report is invalid if it is blotted out.

5. 未经本实验室书面批准，不得部分复制检测报告。

It is forbidden to copy the test report partially without the written approval of the laboratory.

6. 送样委托检测结果，仅对所送样品有效。

The conclusion of the consignment test is only valid for the provided sample.

7. 本检测报告以中文为准，英文文本（如有）仅为译文，两者发生冲突时，应以中文文本为准。

The test report has been drafted in Chinese and translated into English (if exist) for convenience only. In the event of discrepancy, the Chinese version shall prevail.

8. 除另有说明，检测检验类别都是指委托分析。

Unless noted otherwise, the test type is consignment test.

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检测报告
Shanghai Institute of Chemical Industry
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NO. 1125110261

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样品名称 Name of Sample	中文 Chinese	可充式锂离子电池组 PL682734 3.87V 870mAh 3.367Wh	
	英文 English	Rechargeable Li-ion Battery PL682734 3.87V 870mAh 3.367Wh	
样品编号 Sample No.	1125110261		
委托单位 Consignor	重庆市紫建电子股份有限公司 Chongqing VDL Electronics Co., Ltd.		
生产单位 Manufacturer	重庆市紫建电子股份有限公司 Chongqing VDL Electronics Co., Ltd.		
检测方法 Test method	联合国《试验和标准手册》ST/SG/AC.10/11/Rev.8 38.3 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3		
判定标准 Criterion	联合国《试验和标准手册》ST/SG/AC.10/11/Rev.8 38.3 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3		
样品外观 Appearance	黑色, 银色, 黄色三色 铝塑外壳 Black, silvery and yellow Aluminum-plastics shell		
样品接受日期 Accepted Date	2025-11-10	检测起迄日期 Test Date	2025-11-21 ~ 2025-12-11
检测项目 Test Items	高度模拟; 热测试; 振动; 冲击; 外短路; 挤压; 过充电; 强制放电 Altitude simulation, Thermal test, Vibration, Shock, External short circuit, Crush, Overcharge, Forced discharge		
检测结论 Conclusion	经检测, 该样品符合联合国《试验和标准手册》ST/SG/AC.10/11/Rev.8 38.3标准要求。 The sample has passed the test items of UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3 生效日期(Date): 2025-12-11		
备注 Comment	可充电单电芯电池Rechargeable Single Cell Battery. 本报告中高度模拟、热测试、振动、冲击、外短路和过充电项目为广州三帕认证技术服务有限公司分包		
委托单位地址 Consignor Address	/		检验检测专用章 邮政编码 (15) /

批准
Approver:
职务
Title:

许尧

审核
Checker:

丁小

编制
Compiler:

傅俊

新能源安全部部长 (Head of New Energy Safety Department)



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序号 No.	检测项目名称 Name of Test Items	标准要求或标准条款号 Standard requirement or The Clause Number of Standard	检测结果 Test Result	本项结论 Conclusion	备注 Remark
1	高度模拟 Altitude simulation	联合国《试验和标准手册》ST/SG/AC. 10/11/Rev. 8 38.3 试验T.1 UN Manual of Tests and Criteria ST/SG/AC. 10/11/Rev. 8 Section 38.3 Test T.1	见附表 1 See Appendix 1	合格 Passed	/
2	热测试 Thermal test	联合国《试验和标准手册》ST/SG/AC. 10/11/Rev. 8 38.3 试验T.2 UN Manual of Tests and Criteria ST/SG/AC. 10/11/Rev. 8 Section 38.3 Test T.2	见附表 2 See Appendix 2	合格 Passed	/
3	振动 Vibration	联合国《试验和标准手册》ST/SG/AC. 10/11/Rev. 8 38.3 试验T.3 UN Manual of Tests and Criteria ST/SG/AC. 10/11/Rev. 8 Section 38.3 Test T.3	见附表 3 See Appendix 3	合格 Passed	/
4	冲击 Shock	联合国《试验和标准手册》ST/SG/AC. 10/11/Rev. 8 38.3 试验T.4 UN Manual of Tests and Criteria ST/SG/AC. 10/11/Rev. 8 Section 38.3 Test T.4	见附表 4 See Appendix 4	合格 Passed	/
5	外短路 External short circuit	联合国《试验和标准手册》ST/SG/AC. 10/11/Rev. 8 38.3 试验T.5 UN Manual of Tests and Criteria ST/SG/AC. 10/11/Rev. 8 Section 38.3 Test T.5	见附表 5 See Appendix 5	合格 Passed	/
6	挤压 Crush	联合国《试验和标准手册》ST/SG/AC. 10/11/Rev. 8 38.3 试验T.6 UN Manual of Tests and Criteria ST/SG/AC. 10/11/Rev. 8 Section 38.3 Test T.6	见附表 6 See Appendix 6	合格 Passed	/
7	过充电 Overcharge	联合国《试验和标准手册》ST/SG/AC. 10/11/Rev. 8 38.3 试验T.7 UN Manual of Tests and Criteria ST/SG/AC. 10/11/Rev. 8 Section 38.3 Test T.7	见附表 7 See Appendix 7	合格 Passed	/
8	强制放电 Forced discharge	联合国《试验和标准手册》ST/SG/AC. 10/11/Rev. 8 38.3 试验T.8 UN Manual of Tests and Criteria ST/SG/AC. 10/11/Rev. 8 Section 38.3 Test T.8	见附表 8 See Appendix 8	合格 Passed	/
检测环境条件 Test Environment Condition		环境温度:20℃-25℃;环境湿度:/% Ambient temperature:20℃-25℃;Ambient humidity:/%			
分包检验情况 Subcontracted Test Condition		检测项目 Test Item	高度模拟、热测试、振动、冲击、外短路、过充电 Altitude simulation, Thermal test, Vibration, Shock, External short circuit, Overcharge		
		分包实验室 Subcontracted Laboratory	名称 Name	广州三帕认证 技术服务有限公司	邮编 Post Code
			地址 Address	广州市番禺区市桥街云星珠坑村横基 路9号C101、C102、C103、C104室	511400 电话 Tel

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上海化工院检测有限公司
检测报告—附表2
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序号 No.	2	检测项目名称 Name of Test Items		热测试 Thermal test				
样品 编号 Sample No.	样品状态 Sample Status	试验前 Before		试验后 After		质量损失 Mass Loss /%	剩余电压 Residual OCV /%	其他 现象 Other Event
		质量 Mass /g	开路电压 OCV /V	质量 Mass /g	开路电压 OCV /V			
001	1CYC完全充电 1CYC Fully charged	12.550	4.426	12.547	4.377	0.02	98.89	O
002	1CYC完全充电 1CYC Fully charged	12.537	4.421	12.535	4.371	0.02	98.87	O
003	1CYC完全充电 1CYC Fully charged	12.613	4.428	12.612	4.378	0.01	98.87	O
004	1CYC完全充电 1CYC Fully charged	12.484	4.427	12.481	4.380	0.02	98.94	O
005	1CYC完全充电 1CYC Fully charged	12.599	4.426	12.596	4.374	0.02	98.83	O
006	25CYC完全充电 25CYC Fully charged	12.476	4.427	12.474	4.377	0.02	98.87	O
007	25CYC完全充电 25CYC Fully charged	12.441	4.425	12.439	4.371	0.02	98.78	O
008	25CYC完全充电 25CYC Fully charged	12.569	4.426	12.567	4.374	0.02	98.83	O
009	25CYC完全充电 25CYC Fully charged	12.502	4.427	12.499	4.380	0.02	98.94	O
010	25CYC完全充电 25CYC Fully charged	12.553	4.426	12.552	4.379	0.01	98.94	O
以下空白	This space intentionally left blank							

备注：L-泄漏 V-漏气 D-解体 R-破裂 F-起火 O-无泄漏、无漏气、无解体、无破裂、无起火。
Note: L-Leakage V-Venting D-Disassembly R-Rupture F-Fire O-No Leakage, No Venting,
No Disassembly, No Rupture & No Fire.

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序号 No.	3	检测项目名称 Name of Test Items		振动 Vibration				
样品 编号 Sample No.	样品状态 Sample Status	试验前 Before		试验后 After		质量损失 Mass Loss /%	剩余电压 Residual OCV /%	其他 现象 Other Event
		质量 Mass /g	开路电压 OCV /V	质量 Mass /g	开路电压 OCV /V			
001	1CYC完全充电 1CYC Fully charged	12.547	4.377	12.549	4.375	0.00	99.95	O
002	1CYC完全充电 1CYC Fully charged	12.535	4.371	12.538	4.369	0.00	99.95	O
003	1CYC完全充电 1CYC Fully charged	12.612	4.378	12.613	4.376	0.00	99.95	O
004	1CYC完全充电 1CYC Fully charged	12.481	4.380	12.483	4.378	0.00	99.95	O
005	1CYC完全充电 1CYC Fully charged	12.596	4.374	12.599	4.372	0.00	99.95	O
006	25CYC完全充电 25CYC Fully charged	12.474	4.377	12.475	4.376	0.00	99.98	O
007	25CYC完全充电 25CYC Fully charged	12.439	4.371	12.440	4.370	0.00	99.98	O
008	25CYC完全充电 25CYC Fully charged	12.567	4.374	12.568	4.373	0.00	99.98	O
009	25CYC完全充电 25CYC Fully charged	12.499	4.380	12.501	4.378	0.00	99.95	O
010	25CYC完全充电 25CYC Fully charged	12.552	4.379	12.555	4.377	0.00	99.95	O
以下空白	This space intentionally left blank							

备注：L-泄漏 V-漏气 D-解体 R-破裂 F-起火 O-无泄漏、无漏气、无解体、无破裂、无起火。
Note: L-Leakage V-Venting D-Disassembly R-Rupture F-Fire O-No Leakage,No Venting,
No Disassembly,No Rupture & No Fire.

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备注: L-泄漏 V-漏气 D-解体 R-破裂 F-起火 O-无泄漏、无漏气、无解体、无破裂、无起火。
Note: L-Leakage V-Venting D-Disassembly R-Rupture F-Fire O-No Leakage, No Venting,
No Disassembly, No Rupture & No Fire.

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序号 No.	5	检测项目名称 Name of Test Items	外短路 External short circuit
样品编号 Sample No.	样品状态 Sample Status	样品表面最高温度 Max. External Temperature /°C	其他现象 Other Event
001	1CYC完全充电 1CYC Fully charged	57.4	O
002	1CYC完全充电 1CYC Fully charged	57.6	O
003	1CYC完全充电 1CYC Fully charged	57.6	O
004	1CYC完全充电 1CYC Fully charged	57.5	O
005	1CYC完全充电 1CYC Fully charged	57.3	O
006	25CYC完全充电 25CYC Fully charged	57.4	O
007	25CYC完全充电 25CYC Fully charged	57.5	O
008	25CYC完全充电 25CYC Fully charged	57.8	O
009	25CYC完全充电 25CYC Fully charged	57.6	O
010	25CYC完全充电 25CYC Fully charged	57.6	O
以下空白	This space intentionally left blank		
备注：D-解体 R-破裂 F-起火 O-无解体、无起火、无破裂。 Note: D-Disassembly R-Ruptur F-Fire O-No Disassembly,No Fire & No Rupture.			

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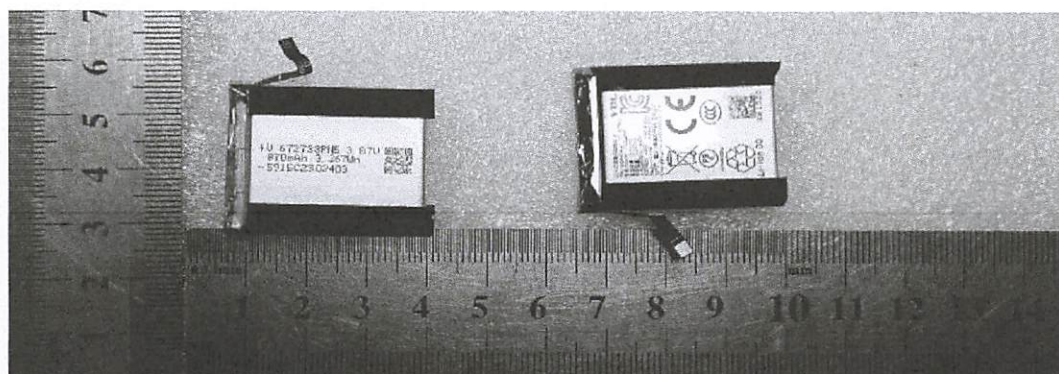
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检测 报 告—附表8
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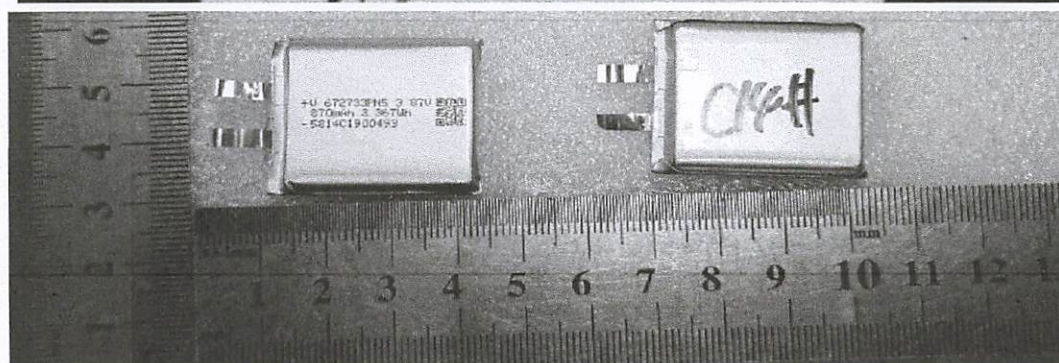
NO. 1125110261

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序号 No.	8	检测项目名称 Name of Test Items	强制放电 Forced discharge
样品编号 Sample No.	样品状态 Sample Status	其他现象 Other Event	
029	1CYC完全放电 1CYC Fully discharged	O	
030	1CYC完全放电 1CYC Fully discharged	O	
031	1CYC完全放电 1CYC Fully discharged	O	
032	1CYC完全放电 1CYC Fully discharged	O	
033	1CYC完全放电 1CYC Fully discharged	O	
034	1CYC完全放电 1CYC Fully discharged	O	
035	1CYC完全放电 1CYC Fully discharged	O	
036	1CYC完全放电 1CYC Fully discharged	O	
037	1CYC完全放电 1CYC Fully discharged	O	
038	1CYC完全放电 1CYC Fully discharged	O	
039	25CYC完全放电 25CYC Fully discharged	O	
040	25CYC完全放电 25CYC Fully discharged	O	
041	25CYC完全放电 25CYC Fully discharged	O	
042	25CYC完全放电 25CYC Fully discharged	O	
043	25CYC完全放电 25CYC Fully discharged	O	
044	25CYC完全放电 25CYC Fully discharged	O	
045	25CYC完全放电 25CYC Fully discharged	O	
046	25CYC完全放电 25CYC Fully discharged	O	
047	25CYC完全放电 25CYC Fully discharged	O	
048	25CYC完全放电 25CYC Fully discharged	O	
备注：D-解体 F-起火 O-无解体、无起火。 Note: D-Disassembly F-Fire O-No Disassembly & No Fire.			



可充式锂离子电池组
Rechargeable Li-ion Battery
型号/Model: PL682734
额定容量: 870mAh
额定能量: 3.367Wh
充电限制电压: 4.45V
标称电压: 3.87V XXXX-XXXXXX
Made in China A/S: XXX-XXXX
生产厂: 重庆市紫光电子股份有限公司
Chongqing VDL Electronics Co., Ltd.



+U 672733PN5 3.87V
870mAh 3.367Wh
-5814C1900493

报告结束

