

UN38.3 检测报告

UN38.3 TEST REPORT

委托单位名称

Client Name

广东博力威科技股份有限公司

Guangdong Greenway Technology Co., Ltd.

产品名称

Name of product

锂离子电池组

Li-ion Battery Pack

制造厂商

Manufacturer

广东博力威科技股份有限公司

Guangdong Greenway Technology Co., Ltd.

商标型号

Trade mark & model

NBBF2205A

检测类别

Test sort

委托测试

Safety Entrust Test



中检集团南方测试股份有限公司

CCIC Southern Testing Co., Ltd.

地址: 广东省深圳市南山区西丽街道沙河路 43 号电子检测大厦

Address: Electronic Testing Building, No.43, Shahe Road, Xili Street, Nanshan District, Shenzhen, Guangdong, China

公司网址/Company Internet: <http://www.ccic-set.com>

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报告查询邮箱/Report query E-Mail: manager@ccic-set.com

报告查询电话 Report query tel: 0755-26627338

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中检集团南方测试股份有限公司 CCIC Southern TestingCO., Ltd. 检 测 报 告 TEST REPORT					
样品名称 Name of sample	锂离子电池组 Li-ion Battery Pack		商标 Trade mark	--	
制造厂商 Manufacturer	广东博力威科技股份有限公司 Guangdong Greenway Technology Co., Ltd.		型号规格 Model/Type	NBBF2205A (内部电池型号: ICR18650/26V)	
委托单位 Client	广东博力威科技股份有限公司 Guangdong Greenway Technology Co., Ltd.		取样方式 Sampling method	委托单位送样 Sent by client	
送检日期 Application date	2026.03.17		检测日期 Text Date	2026.03.19	
样品数量 Quantity of samples	1 个电池组 1 Battery		检测环境 Environment condition	20±5℃ ≤75%RH	
标称电压 Nominal voltage (cell/battery)	3.6V/21.6V	充电限制电压 Limited Charge Voltage (cell/battery)	4.2V/25.2V	额定能量/容量 Rate Energy/ Capacity (cell/battery)	9.18Wh/2.55Ah 110Wh/5.1Ah
标准充电电流 Standard charge Current (cell/battery)	0.5A/1.02A	最大充电电流 Max. Charge Current (cell/battery)	2.5A/2.5A	充电截止电流 End Charge Current (cell/battery)	50mA/102mA
放电截止电压 Cut-off Voltage (cell/battery)	2.5V/16.2V	最大放电电流 MaxDischarge Current (cell/battery)	7.5A/7.5A	电池数量 Component cells Number	12PCS (6S2P)
外观 Appearance	黑色长方体 Black Cuboid	质量 Mass	大约 669.8 g	/	/
检测活动地点 Testing location		/			
检测项目(Test item): 38.3.4.1: 高度模拟 Altitude simulation 38.3.4.2: 温度试验 Thermal Test 38.3.4.3: 振动 Vibration 38.3.4.4: 冲击 Shock 38.3.4.5: 外部短路 External short circuit 38.3.4.6: 撞击/挤压 Impact/Crush 38.3.4.7: 过充电 Overcharge 38.3.4.8: 强制放电 Forced discharge					
检测依据(Reference documents): 联合国《关于危险货物运输的建议书-试验和标准手册》（第7版）38.3 节 UN Recommendations on the Transport of Dangerous Goods Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7/Subsection 38.3					



检测概况(Summary):

对电池或电池组进行了 38.3.4.1 至 38.3.4.8 项试验, 试验 38.3.4.1 至 38.3.4.5 按顺序进行, 使用相同电池或电池组, 试验 38.3.4.6 至 38.3.4.8 使用未另外试验过的电池或电池组。

Each Cell/battery type is subjected to tests 38.3.4.1 to 38.3.4.8, Tests 38.3.4.1 to 38.3.4.5 are conducted in sequence on the same Cells/batteries, Tests 38.3.4.6 to 38.3.4.8 are conducted using not otherwise tested Cells/batteries.

$$\text{质量损失 Mass loss}\%=(M_1-M_2)/M_1\times 100$$

式中: M1 是实验前的质量, M2 是试验后的质量, 如果质量损失不超过表 38.3.1 所列的数值, 视为“无质量损失”。

Where M₁ is the mass before the test and M₂ is the mass after the test. When mass loss does not exceed the values in Table 38.3.1, it shall be considered as "no mass loss".

Mass M of cell or battery	Mass loss limit
M<1g	0.5%
1g≤M≤75g	0.2%
M>75g	0.1%

试验 38.3.4.1 至 38.3.4.4 如果电池组无渗漏、无排气、无解体、无破裂和无起火, 并且每个试验电池组在试验后的开路电压不小于其在进行这一试验前电压的 90%则认为符合要求。

In test 38.3.4.1 to 38.3.4.4 batteries meet this requirement if there is no leakage, no venting, no disassembly, no rupture and no fire and if the open circuit voltage of each test battery after testing is not less than 90% of its voltage immediately prior to this procedure.

备注 (Remark):

样品共 1 个电池组, 样品编号: 20260306W09616X-B1, 用于核对和拍照使用。

The sample consists of 1 battery pack, sample number: 20260306W09616X-B1, used for verification and photography.

检测结论(Test conclusion):

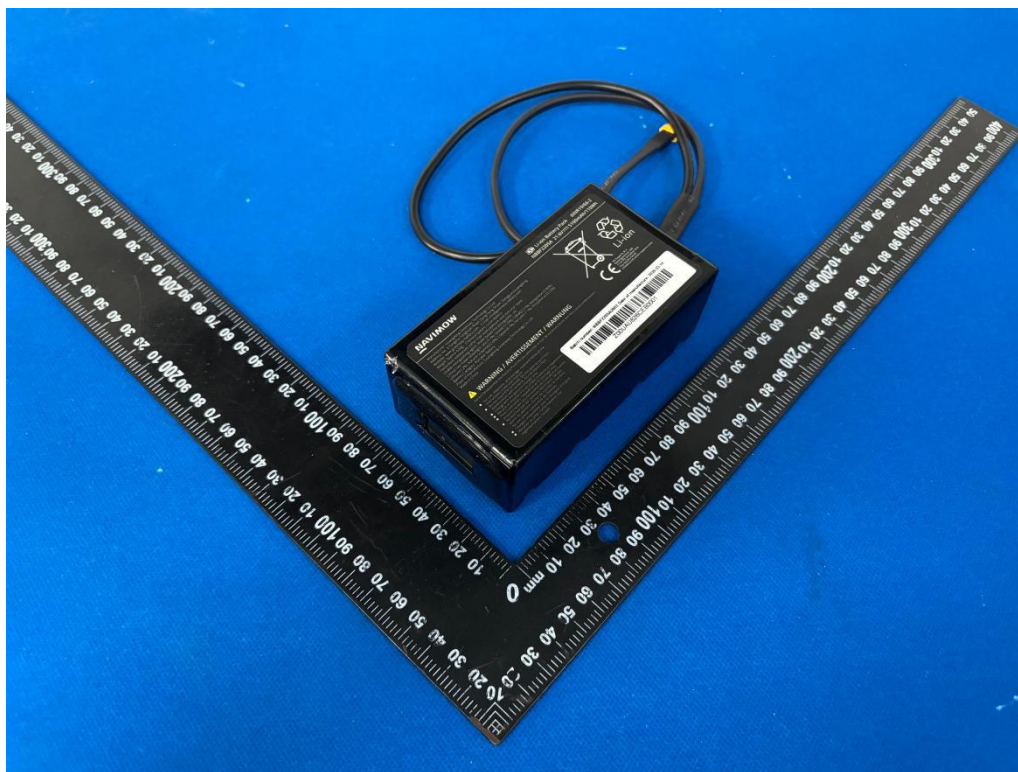
本次为派生申请, 派生样品与原样品仅标签排版存在差异, 其样品重量和内部结构完全一样, 详细测试数据见原报告 SET-20230806B10456X。

This is a derivative application. The derivative sample differs from the original sample only in label layout, while the sample weight and internal structure are identical. Detailed test data can be found in the original report SET-20230806B10456X.

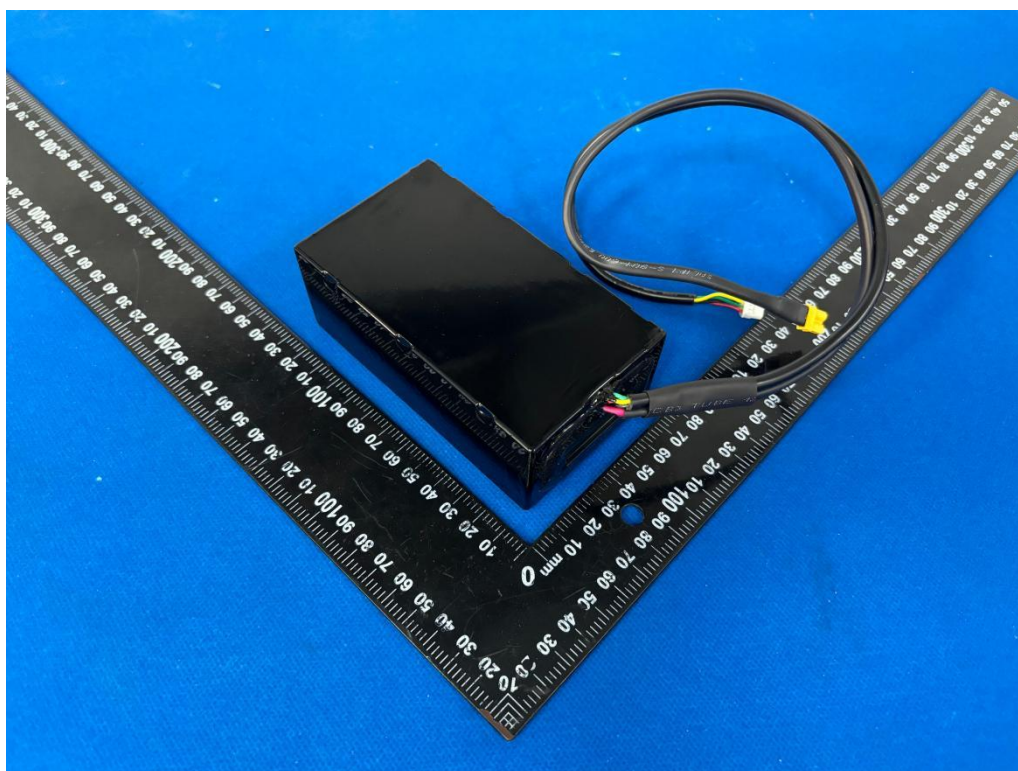


主 检: Tested by		日期 Date	2026 年 03 月 20 日
审 核: Reviewed by		日期 Date	2026 年 03 月 20 日
批 准: Approved by		日期 Date	2026 年 03 月 20 日

样品照片 Photo document



图片 Photo 1

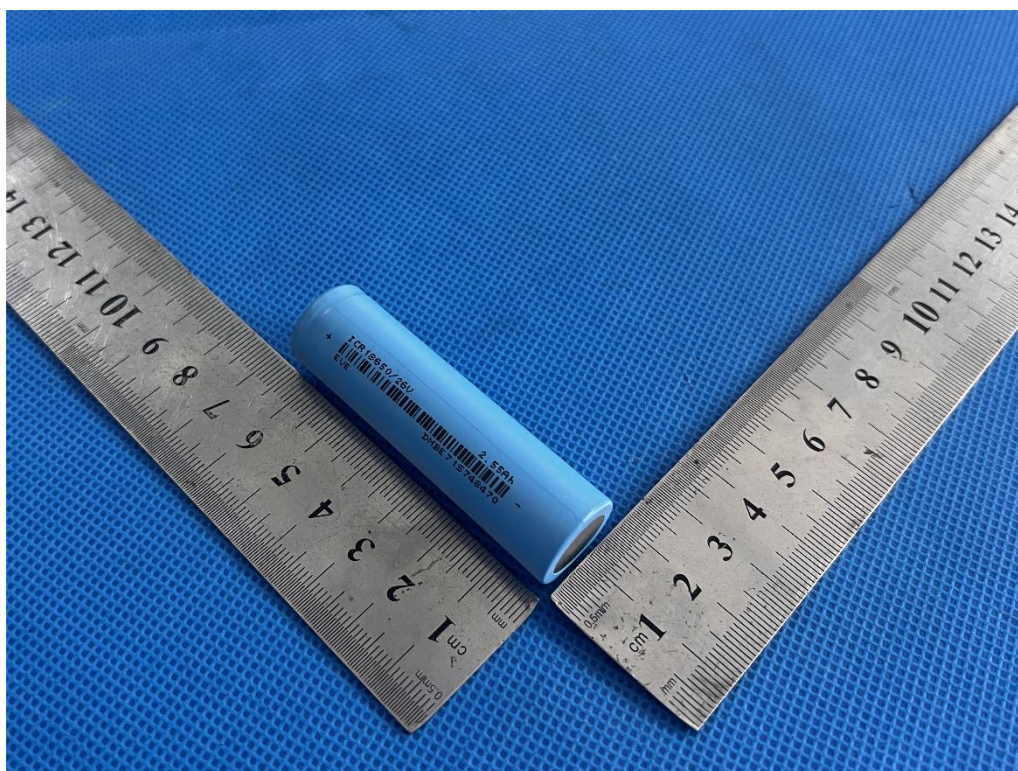


图片 Photo 2

样品照片 Photo document



图片 Photo 3



图片 Photo 4



声明

STATEMENT

1. 报告未加盖“检验检测专用章”无效。

The test report is invalid without stamp of laboratory.

2. 报告无检测、批准人员签字无效。

The test report is invalid without signature of person(s) testing and authorizing.

3. 报告涂改无效。

The test report is invalid if erased and corrected.

4. 自送样品的检测结论仅对送检样品有效。

Test results of the report is valid to the test samples if sampling by client.

5. “☆”号项目未通过 CNAS 认可。

“☆” item to be outside the scope of authorized by CNAS.

6. 未加盖资质认定标志的报告，不具有对社会的证明作用。

The report without the "CMA" stamp shall not have a certifying effect on the society.

7. 未经本实验室书面同意，不得部分地复制本报告。

The test report shall not be reproduced except in full, without written approval of the laboratory.

8. 如对本报告有异议，可在收到报告后 15 天内向本单位申诉，逾期不予受理。

If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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