

1.2M Drop Test Report

1.2M 跌落测试报告

Applicant's Name 委托方名称	Nantong kunlong electromechanical tool co., ltd 南通坤隆机电工具有限公司
Applicant's Address 委托方地址	Group 5, Baxi Village, Lvsi Town, Qidong City, Nantong City, Jiangsu Province 江苏省南通市启东市吕四镇巴西村 5 组
Name of Goods 货物名称	Lithium Battery Pack 154050 18.5V 4500mAh 83.25Wh 锂电池组 154050 18.5V 4500mAh 83.25Wh
Testing Laboratory 测试实验室	Shenzhen TCT Testing Technology Co., Ltd. 深圳市通测检测技术有限公司 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China 广东省深圳市宝安区福海街道桥头社区稔山工业区振昌胶粘制品厂 2101、2201
Report No. 报告编号	TCT250725D025
Date of Issue 签发日期	2025. 07. 30
Test Conclusion 测试结论: The test results are qualified. 测试结果为合格。	

Tested by 主检人:

Spring Fu 傅福花

Approved by 批准人:

Tomson 冯晓森

Reviewer by 审核人:

Mollie Wu 吴玲玲

Seal of TCT 报告单位 (盖章):



I、General product information 一般产品信息:

Name of Goods 货物名称	Lithium Battery Pack 154050 18.5V 4500mAh 83.25Wh 锂电电池组 154050 18.5V 4500mAh 83.25Wh		
Manufacturer's Name 制造商名称	Chongqing tianhui energy technology co., ltd 重庆天辉能源科技有限公司		
Manufacturer's Address 制造商地址	Building 5, 120,000 square meters standard factory building, Wuyang New District, Zhongxian Industrial Park, Chongqing 重庆市忠县工业园区乌杨新区 12 万平方米标准厂房 5 号楼		
Shape 形状	Prismatic 棱柱形	Trade Mark 商标	----
Packaging dimensions 包装尺寸(L×W×T)	(42.5×29.0×24.0)cm	Battery number per packaging 每包装件电池数量	10PCS
Net weight of batteries per package 每包装件电池的净重	7.758kg	Gross weight per package 每包装件毛重	8.8kg
Start Testing Date 开始测试日期	2025-07-28	Completing Date 完成日期	2025-07-30

II、Test Standard 检测标准

United Nations "Recommendations on the Transport of Dangerous Goods-Model Regulations" (Rev.23)
6.1.5.3

联合国《关于危险货物运输的建议书-规章范本》(23 修订版) 6.1.5.3

III、TEST ITEM 检测项目

Drop test 跌落测试

IV、Test Method and Requirement 检测方法和要求

Except when cells or batteries are installed in equipment, each package shall be capable of withstanding a 1.2 m drop test in any orientation without damage to cells or batteries contained therein, without shifting of the contents so as to allow battery to battery (or cell to cell) contact and without release of contents.

Each package is tested 5 times, and the test base is concrete base

除安装在设备上的电池或电池组外，每个包装件以任何方向进行 1.2 米跌落试验时都能够不使其中所装的电池或电池组受损，不造成内装物移动，以致电池组与电池组(或电池与电池)互相接触，并且没有内装物释出。

每个包装件测试 5 次，测试底板为混凝土底板。

V、TEST APPARATUS 检测仪器

Serial No. 设备编号	Name of Equipment 设备名称	Model 型号	Calibration Date /Due Date 校准日期/到期日
TC-B03	Single-blade drop tester 单翼跌落测试仪器	GX-6050-A	2025. 01. 21
			2026. 01. 20
TC-B67	Electronic Platform Scale 电子台秤	TCS-150	2025. 06. 26
			2026. 06. 25
TC-B104	Tape measure 卷尺	TH-2103	2025. 01. 24
			2026. 01. 23

VI、TEST RESULT 检测结果

Drop orientation 跌落方向	Test status 测试情况	Conclusion 结论
Flat on the bottom 底部平跌	The samples contained are not damage, no displacement resulting in sample contact, and no release of the contents 所装的样品无受损, 没有发生位移导致样品接触, 无内装物体释出	Pass 合格
Flat on the top 顶部平跌	The samples contained are not damage, no displacement resulting in sample contact, and no release of the contents 所装的样品无受损, 没有发生位移导致样品接触, 无内装物体释出	Pass 合格
Flat on the long side 长侧面平跌	The samples contained are not damage, no displacement resulting in sample contact, and no release of the contents 所装的样品无受损, 没有发生位移导致样品接触, 无内装物体释出	Pass 合格
Flat on the short side 短侧面平跌	The samples contained are not damage, no displacement resulting in sample contact, and no release of the contents 所装的样品无受损, 没有发生位移导致样品接触, 无内装物体释出	Pass 合格
On a corner 棱角着地	The samples contained are not damage, no displacement resulting in sample contact, and no release of the contents 所装的样品无受损, 没有发生位移导致样品接触, 无内装物体释出	Pass 合格

VII、Appendix Photos 附录图片



Important Notice

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3. The test report is invalid without the signatures of Ratifier, Reviewer and Testing engineer.
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5. Objections to the test report must be submitted to TCT within 15 days.
对报告书若有异议，应于收到报告之日起 15 天内向本公司提出。
6. The test report is valid for the tested samples only.
本报告仅对本次测试样品有效。
7. The Chinese contents in this report are only for reference.
本报告中的中文内容仅供参考。

*****End of Report 报告结束*****