

1.2 m Drop Test Report

1.2 米跌落检测报告

Report No.:

P25020706801

报告编号:

Name of Products: Rechargeable Li-ion Battery 491618PF4 Package

产品名称: 可充式锂离子电池组 491618PF4 包装件

Applicant: CHONGQING VDL NEW ENERGY CO., LTD.

委托单位: 重庆市维都利新能源有限公司

Manufacturer: CHONGQING VDL NEW ENERGY CO., LTD.

生产厂商: 重庆市维都利新能源有限公司

Date of issue:

2025-03-22

签发日期:

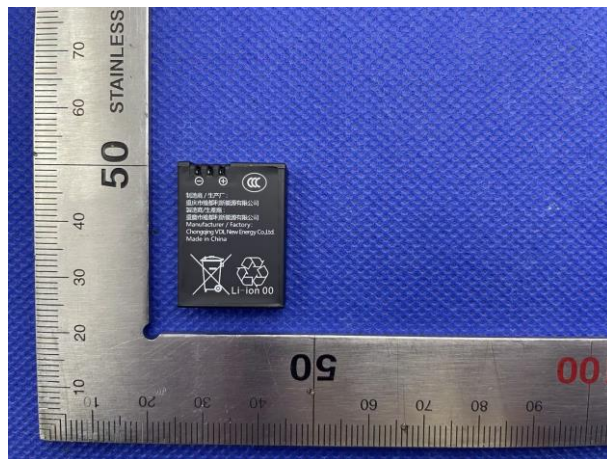
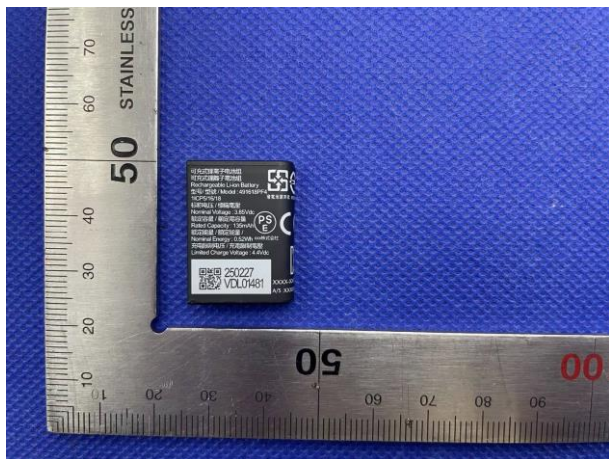
Shenzhen NTEK New Energy Technology Co., Ltd.

深圳市北测新能源技术有限公司

General product information 通用产品信息:			
Applicant 委托单位	CHONGQING VDL NEW ENERGY CO., LTD. 重庆市维都利新能源有限公司		
Address of Applicant 委托单位地址	No.20-1, No.20-2, No.20-3, No.20-4, No.20-5, No.20-6 And No.6 Lianhe Road, Wanzhou District, Chongqing City, 404000, China 重庆市万州区联合路 20 号附 1 号、附 2 号、附 3 号、附 4 号、附 5 号、附 6 号, 6 号 (万州经开区)		
Manufacturer 生产厂商	CHONGQING VDL NEW ENERGY CO., LTD. 重庆市维都利新能源有限公司		
Address of manufacturer 生产厂商地址	No.20-1, No.20-2, No.20-3, No.20-4, No.20-5, No.20-6 And No.6 Lianhe Road, Wanzhou District, Chongqing City, 404000, China 重庆市万州区联合路 20 号附 1 号、附 2 号、附 3 号、附 4 号、附 5 号、附 6 号, 6 号 (万州经开区)		
Name of Products 产品名称	Rechargeable Li-ion Battery Package 可充式锂离子电池组包装件		
Model/Type 型号	491618PF4		
Nominal Voltage 标称电压	3.85V	Rated Capacity 额定容量	135mAh
Mass of the battery or cell 电芯或电池质量	4.6g	Dimension of the package 包装件尺寸	300×205×230mm
Outer packaging 外包装	Carton 纸箱	Inner packaging 内包装	Blister box 吸塑盒
Number of batteries per package 每包装件电池数量	600Pcs	Gross weight per package 每包装件毛重	3.9kg
Net quantity of Li-ion Batteries per package 每包装件锂离子电池的净重	600×4.6g=2.760kg		
Date of receipt of test item 接收日期	2025-03-19	Completion Date 完成日期	2025-03-19
Tested according to 检测依据: MH/T 1052-2013 Test for lithium batteries transported by air MH/T 1052-2013 《航空运输锂电池测试规范》 ST/SG/AC.10/1/Rev.22 Recommendations on the TRANSPORT OF DANGEROUS GOODS, Model Regulations (22 nd revised edition) ST/SG/AC.10/1/Rev.22 联合国《关于危险货物运输的建议书 规章范本》(第 22 修订版)			
Test item 检测项目: 1.2 Metre Drop Test 1.2 米跌落测试			
Test Conclusion 检测结论: The Rechargeable Li-ion Battery Package submitted by CHONGQING VDL NEW ENERGY CO., LTD. complies with the requirements of 1.2 metre drop test according to the above mentioned standard and model regulations. 由重庆市维都利新能源有限公司提交的可充式锂离子电池组包装件符合上述标准和规章范本中规定的 1.2 米跌落测试要求。			
Tested by: 主检人:	Elva Zong 宗洁	宗洁	
Reviewed by: 审核人:	Jake Chen 陈嘉南	陈嘉南	
Approved by: 批准人:	Jesse Zhang 张士杰	张士杰 报告单位 (盖章) Seal of NTEK	

Photos of Goods 物品照片

电池



包装件



Test results 测试结果:

1.2 Metre Drop Test 1.2 米跌落测试

Test method 测试方法

The package which contains batteries is dropped from a height of 1.2m, total 6 times, the drop impacts are applied flat on the bottom, flat on the top, flat on the longest side, flat on the shortest side, on a corner and on an arris. The test floor is a non-resilient and horizontal surface and also be: a) integral and massive enough to be immovable; b) flat with a surface kept free from local defects capable of influencing the test results; c) rigid enough to be non-deformable under test conditions and not liable to become damaged by the tests (for example: concrete floor or metal floor); and d) sufficiently large to ensure that the test package falls entirely upon the surface.

含有电池的包装件从 1.2 米高度进行跌落，总共跌落 6 次，跌落分别施加到包装件的底部、顶部、长侧面、短侧面、角和棱。跌落底板为无弹性的水平表面，且：a) 为一个厚重的整体，不易移动；b) 平坦，表面无可能影响试验结果的局部缺陷；c) 足够的坚硬（如水泥板或金属板），在试验条件下不变形，不会因为试验造成损坏；及 d) 足够大，确保试验包装件完全落在其表面。

Acceptance criteria 判定准则

The package must be capable of withstanding a 1.2m 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.

包装件必须能够经受任何方向的 1.2 米跌落试验，并且不得出现内装电芯或电池破损或泄漏，不得出现内装物移动，使电池之间（或电芯之间）接触以及不得出现内装物外漏。

Test results showed in table below 测试结果见下表

1.2 metre drop test 1.2 米跌落测试		PASS 合格
Drop orientation 跌落方向	Test results 试验结果	Verdict 判定
Flat on the bottom 底部	No damage to cells or batteries contained therein, no shifting of the contents so as to allow battery to battery (or cell to cell) contact and no release of contents. 未出现内装电芯或电池破损或泄漏，未出现内装物移动，使电池之间（或电芯之间）接触以及未出现内装物外漏。	PASS 合格
Flat on the top 顶部	No damage to cells or batteries contained therein, no shifting of the contents so as to allow battery to battery (or cell to cell) contact and no release of contents. 未出现内装电芯或电池破损或泄漏，未出现内装物移动，使电池之间（或电芯之间）接触以及未出现内装物外漏。	PASS 合格
Flat on the longest side 长侧面	No damage to cells or batteries contained therein, no shifting of the contents so as to allow battery to battery (or cell to cell) contact and no release of contents. 未出现内装电芯或电池破损或泄漏，未出现内装物移动，使电池之间（或电芯之间）接触以及未出现内装物外漏。	PASS 合格

Flat on the shortest side 短侧面	No damage to cells or batteries contained therein, no shifting of the contents so as to allow battery to battery (or cell to cell) contact and no release of contents. 未出现内装电芯或电池破损或泄漏, 未出现内装物移动, 使电池之间(或电芯之间)接触以及未出现内装物外漏。	PASS 合格
On a corner 角	No damage to cells or batteries contained therein, no shifting of the contents so as to allow battery to battery (or cell to cell) contact and no release of contents. 未出现内装电芯或电池破损或泄漏, 未出现内装物移动, 使电池之间(或电芯之间)接触以及未出现内装物外漏。	PASS 合格
On an arris 棱	No damage to cells or batteries contained therein, no shifting of the contents so as to allow battery to battery (or cell to cell) contact and no release of contents. 未出现内装电芯或电池破损或泄漏, 未出现内装物移动, 使电池之间(或电芯之间)接触以及未出现内装物外漏。	PASS 合格

*****End of Test Report 检测报告结束*****

Important 注意事项

1. The test report is invalid without the Report Seal of NTEK and Paging seal of NTEK.
本报告书无本公司报告专用章、骑缝章无效。
2. Nobody is allowed to photocopy or partly photocopy this test report without written permission of NTEK.
未经本公司书面同意，不得部分地复制本报告书。
3. The test report is invalid without the signatures of Approver, Reviewer and Testing engineer.
本报告书无批准人、审核人、及主检人签名无效。
4. The report is invalid when anything of following happens – illegal transfer, reproduce, embezzlement, imposture, modification or tampering in any media form.
私自转让、复制、盗用、冒用、涂改、或以任何媒体形式篡改的报告书无效。
5. Objections to the test report must be submitted to NTEK 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。

Shenzhen NTEK New Energy Technology Co., Ltd.

深圳市北测新能源技术有限公司

Address: Building 2, Shuoyi Industrial Park, Jinglong Industrial Zone, Zhenlong, Huiyang District, Huizhou, Guangdong, China

地址：广东省惠州市惠阳区镇隆镇井龙工业区硕翊工业园 2 幢

Tel 电话：400-809-9068 E-mail 邮箱：Quality@ntekbat.org.cn

Website 网址：http://www.ntekbat.org.cn