

3m Stacking test Report

3米堆码试验报告

Report No.:

P25020706901

报告编号:

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

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

Package manufacturer: CHONGQING VDL NEW ENERGY CO., LTD.

包装件生产厂商: 重庆市维都利新能源有限公司

Date of issue:

2025-03-22

签发日期:

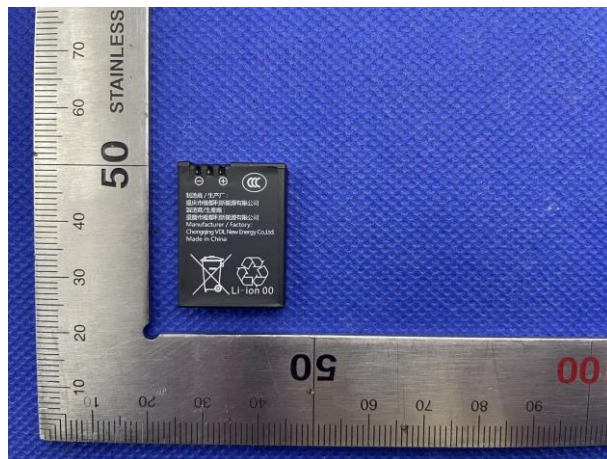
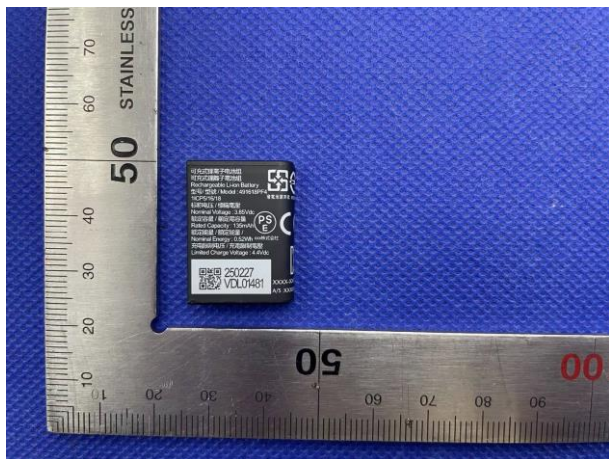
Shenzhen NTEK New Energy Technology Co., Ltd.

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)		
Package manufacturer 包装件生产厂商	CHONGQING VDL NEW ENERGY CO., LTD. 重庆市维都利新能源有限公司		
Address of Package manufacturer 包装件生产厂商地址	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)		
Packaging manufacturer 包装生产厂商	Chongqing Kaizhou Printing Co., Ltd. 重庆市开州印务有限公司		
Address of Packaging manufacturer 包装生产厂商地址	Pingqiao Immingration Ecological Industrial Park, Kaizhou District Industrial Park, Chongqing, China 中国重庆市开州区工业园区平桥移民生态产业园		
Name of Products 产品名称	Rechargeable Li-ion Battery Packages 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(L×W×T) 包装件尺寸 (长×宽×高)	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	Date of testing 测试日期	2025-03-19 ~ 2025-03-22
Tested according to 检测依据: 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: 6.1.5.6 Stacking test 堆码试验			
Test Conclusion 检测结论: The Rechargeable Li-ion Battery Packages submitted by CHONGQING VDL NEW ENERGY CO., LTD. complies with the requirements of Stacking test according to the above 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规章范本中规定的堆码试验要求。			
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:**6.1.5.6 Stacking test 堆码试验****Test method 测试方法**

The test sample shall be subjected to a force applied to the top surface of the test sample equivalent to the total weight of identical packages which might be stacked on it during transport; the force shall be calculated in relation to the latter. The minimum height of the stack including the test sample shall be 3 meters. The duration of the test shall be 24 hours.

含在试验样品的顶部表面施加一载荷,此载荷相当于运输时可能堆叠在它上面的同样数量包装件的总重量。包括试验样品在内的最小堆码高度应是 3 米。试验时间为 24 小时。

Acceptance criteria 判定准则

No test sample may leak. In composite packagings or combination packagings, there shall be no leakage of the filling substance from the inner receptacle or inner packaging. No test sample may show any deterioration which could adversely affect transport safety or any listortion liable to reduce its strength or cause instability in stacks of packages.

试验样品不得泄漏。对复合或组合包装而言,不得有所装的物质从内贮器和内包装中漏出。试验样品不得显出可能对运输安全有不利影响的损坏,或者可能降低其强度或造成包装件堆码不稳定的变形。

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

Sample No. 样品编号	Force 载荷, (Kg)	Verdict 判定
NE250205012008-001	46.97	PASS 合格
NE250205012008-002	46.97	PASS 合格
NE250205012008-003	46.97	PASS 合格

Ambient temperature/环境温度: 23.9°C

Relative humidity/相对湿度: 51.4%

*****End of Test Report 试验报告结束*****

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