中国认可
检测
TESTING
CNAS L16726

Stacking Test Report
堆码试验报告

Applicant's Name **委托方名称**	Zhongshan Kangjun New Energy Technology Co., Ltd 中山市康君新能源科技有限公司
Applicant's Address **委托方地址**	5th Floor, Building 6, No. 106 Pinghe Road, Tongyi Industrial Park, Guzhen Town, Zhongshan City 中山市古镇镇同益工业园平和路106号第6栋5楼
Name of Sample **样品名称**	LiFePO4 Lithium battery pack 磷酸铁锂电池组
Model **型号**	6412
Testing Laboratory **测试实验室**	Rhenish-Lab Certification & Testing (Shenzhen) Co., Ltd. 仁测认证检测（深圳）有限公司 101, Building B, Bailu Plaza, No.48, Gonghe Industrial Road, Gongle, Xixiang Subdistrict, Bao'an District, Shenzhen, Guangdong, China 广东省深圳市宝安区西乡街道共乐社区共和工业路48号白鹿广场B栋101
Report No. **报告编号**	RLCT2604058-02
Date of Issue **签发日期**	2026.04.24

Test Conclusion 测试结论:
The test results are qualified 测试结果为合格。

Tested by **主检人:**	abner wei	**Reviewer by** **审核人:**	Cindy yang	**Approved by** **批准人:**	

RHENISH-LAB TESTING (SHENZHEN) LTD. APPROVED

1. Basic information 基本信息

Manufacturer of Package 包装件生产单位	Zhongshan Eyang Paper Box Processing Factory 中山市鄂阳纸箱加工厂		
Description of Package 包装件描述	Packing materials 包装材料	Corrugated case 瓦楞纸箱	
	Number of batteries included 内含电池数量：	18pcs	
	Packaging Dimensions 包装件尺寸：	35cm*35cm*11cm	
	Net weight of batteries 包装件电池净重	9.79kg	
	Packaging Weight (G.W) 包装件毛重：	11.45kg	
Information about the battery inside 内部电池信息	Batteries Name 电池名称：	LiFePO4 Lithium battery pack 磷酸铁锂电池组	
	Model Specification 型号&规格：	6412 6.4V 12Ah 76.8Wh	
	Dimension 尺寸：	130*71*33mm	
	Weight 重量：	543.66g	
Test method and criterion 测试方法和判定标准	UNITED NATIONS “Recommendations on the TRANSPORT OF DANGEROUS GOODS” Model Regulations(22nd Rev. edition) Clause 6.1.5.6 联合国《关于危险货物运输的建议书规章范本》(22 修订版)条款 6.1.5.6		
Test items 测试项目	Stacking test 堆码试验		
Quantity of samples 样品数量	3 个包装件	**Ambient of Sample Preparation 样品预处理环境**	环境温度：23°C±2°C 相对湿度：50%±2%
Accepted date 样品接收日期	2026-04-20	**Test date 检测日期**	2026-04-20~2026-04-24

2. Stacking Test 堆码试验

2.1 Test Method and Requirement 检测方法和要求

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 minimum height of the stack including the test sample shall be 3 meters. The duration of the test shall be 24 hours.

在试验样品的顶部表面施加一力量，此力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。

$P=K\times\left(\frac{H-h}{h}\right)\times m$

P-Load loaded(kg)
P-加载的负荷 (kg)

K-deterioration coefficient, K value is 1
K-劣变系数,K 值为 1

H-stacking height (m), (not less than 3m)
H-堆码高度(m),(不少于 3m)

h-Height of single package(m)
h-单个包装件高度 (m)

m-Gross mass (gross weight) of a single package(kg)
m-单个包装件毛质量(毛重) (kg)

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 distortion liable to reduce its strength or cause instability in stacks of packages
试验后试验样品不得泄漏。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。

2.2 Environmental conditions 环境条件

Temperature 温度	23.5℃	R.H. 相对湿度：	49%

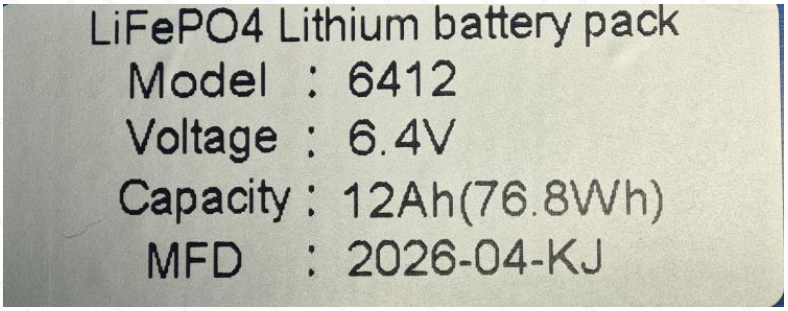
2.3 Test Result 检测结果

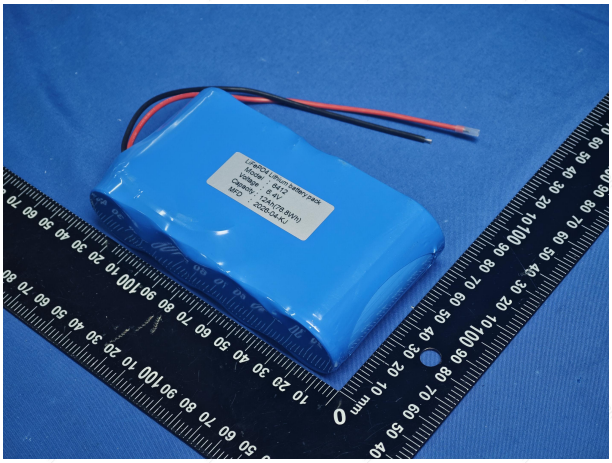
Load loaded 加载的负荷	Test status 测试情况	Conclusion 结论
P=300.83kg	P1~P3： No leak, No deterioration, No reduce its strength, No cause instability in stacks of packages. 包装件未泄漏、未损坏、未降低强度、未造成包装件堆码不稳定的变形。	Pass 合格

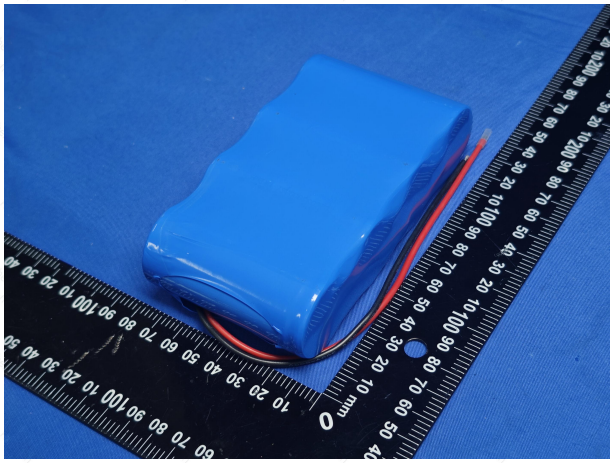
3. Sample Photos 样品图片：











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