



中国认可
检测
TESTING
CNAS L2065

Test Report issued under the responsibility of:
检验报告负责发行机构:



1.2m 跌落测试报告

1.2m DROP TEST REPORT

样品信息: 锂离子电池组之包装件, 型号 GG4YU, 3.85Vdc, 294mAh, 1.132Wh
SAMPLE INFORMATION: Package for Rechargeable Lithium-ion Polymer Battery, Model GG4YU, 3.85Vdc, 294mAh, 1.132Wh

申请单位: 惠州市德赛电池有限公司.
APPLICANT: Huizhou DESAY Battery Co., Ltd.

检测类别: 商业委托检测
TYPE OF TEST: Commercial Inspection and Testing Services

苏州UL美华认证有限公司广州分公司
UL-CCIC Company Limited Guangzhou Branch

Test Summary 测试总览	
样品名称 Name of samples	锂离子电池组之包装件 Package for Rechargeable Lithium-ion Polymer Battery
型号规格 Type/ Model	电池型号GG4YU, 3.85Vdc, 294mAh, 1.132Wh Battery Model GG4YU, 3.85Vdc, 294mAh, 1.132Wh
申请单位 Applicant	惠州市德赛电池有限公司 Huizhou DESAY Battery Co., Ltd.
申请单位地址 Applicant address	惠州市仲恺高新技术产业开发区15号小区（厂房） No. 15 Zone, Zhongkai Hi-Tech Development Zone, Huizhou, Guangdong, China
电池制造商 Battery Manufacturer	惠州市德赛电池有限公司 Huizhou DESAY Battery Co., Ltd.
电池制造商地址 Battery Manufacturer address	惠州市仲恺高新技术产业开发区15号小区（厂房） No. 15 Zone, Zhongkai Hi-Tech Development Zone, Huizhou, Guangdong, China
设备制造商 Equipment Manufacturer	不适用 N/A
设备制造商地址 Equipment Manufacturer address	不适用 N/A
样品数量 Quantity of sample	1 package
样品标识序号 Sample identification	3385792
测试标准 Testing standard	联合国《关于危险品货物运输的建议书》规章范本第20修订版3.3章188条款 United Nations: Recommendations on the Transport of Dangerous Goods - Model Regulations, Twentieth revised edition, 2017(ST/SG/AC.10/1/Rev.20), Chapter 3.3, Provisions 188
接样日期Received date	2020-10-14
完成日期Completion date	2020-10-15
备注 Remark: N/A	

Test Package Information 测试包装件信息	
包装件重量 Package Weight	3.094 kg
电池净重 Battery net weight	1.265 kg
电池数量 Battery Number	275 pcs
设备数量 Equipment Number	不适用/N/A
包装件尺寸 Package size	301mm*238mm*260mm
包装件运输方式 Type of transport	锂离子电池（单独运输）/Lithium ion batteries
外包装材料The material of outer packaging	
<input checked="" type="checkbox"/> 瓦楞纸箱Corrugated carton <input type="checkbox"/> 木板箱wood carton <input type="checkbox"/> 其他other:	
能完全装入样品的内包装方式The manner of inner packaging that can be completely enclose the samples	
<input type="checkbox"/> 泡沫材料Foam material <input checked="" type="checkbox"/> 吸塑盘Plastic disc <input type="checkbox"/> 纸板隔板Paper divider <input type="checkbox"/> 塑料气泡与珍珠棉Plastic bubble and pearl cotton <input type="checkbox"/> 单一封口塑料袋Single sealing plastic bags <input type="checkbox"/> 塑料气垫Plastic air cushion <input type="checkbox"/> 独立小包装Independent packaging <input type="checkbox"/> 其他other:	

Test Conclusion**测试结论**

由惠州市德赛电池有限公司送检的锂离子电池组, 电池型号GG4YU, 3.85Vdc, 294mAh, 1.132Wh之包装件1.2米跌落测试依据《关于危险品货物运输的建议书》规章范本第20修订版进行检测。

当采用准确度方法判定规则时, 被测样品符合规范的要求。

试验结果符合《关于危险品货物运输的建议书》规章范本第20修订版相关要求。

The 1.2m drop test of Package for Rechargeable Lithium-ion Polymer Battery, Battery Model GG4YU, 3.85Vdc, 294mAh, 1.132Wh submitted by Huizhou DESAY Battery Co., Ltd is tested according to the 20th Revised Edition of the Recommendations on the Transport of Dangerous Goods, Model Regulations (ST/SG/AC.10/1/Rev.20).

The sample received complies with Specification when Accuracy Method decision rule is applied.

The test results comply with the relevant requirements of ST/SG/AC.10/1/Rev.20.

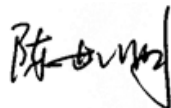
Date of issue / 签发日期: 2020-11-11

Approved by: Simon Chen

批准: 陈世明

Title: Senior Project Engineer

职衔: 高级项目工程师

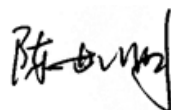


Reviewed by: Simon Chen

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职衔: 高级项目工程师



Tested by: Fancy Liang

检测: 梁方圆

Title: Project Engineer

职衔: 项目工程师

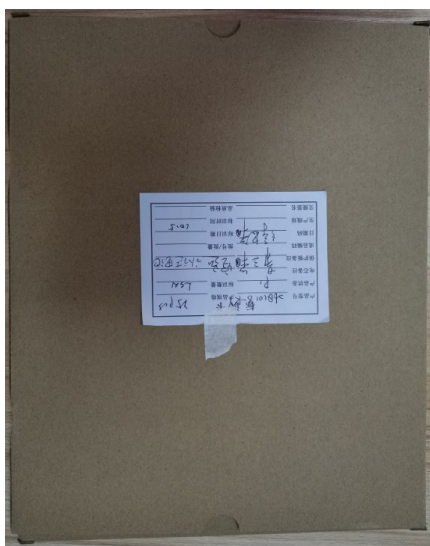


ST/SG/AC.10/1/Rev.20				
Clause 章节	Requirements 标准要求	Result 测试结果	Verdict 判定	
6.1.5.3	1.2m Drop test / 1.2米跌落测试		P	
	Test method / 测试方法			
	The package of batteries is dropped from 1.2m / 电池包装件从1.2米跌落			
	Drop orientation/跌落方向: Where more than one orientation is possible for a given drop, the orientation most likely to result in failure of the packing must be used. / 如在一次跌落试验中可能有一种以上的方向, 须选择最易使包装损坏的跌落方向。 Drop orientation for a package which is in the shape of a box. / 箱状包装的跌落方向: First drop: flat on the bottom / 第一次: 以箱底平跌 Second drop: flat on the top / 第二次: 以箱顶平跌 Third drop: flat on the long side / 第三次: 以一长侧面平跌 Fourth drop: flat on the short side / 第四次: 以一短侧面平跌 Fifth drop: on a corner / 第五次: 以一个角跌落	The package is in the shape of a box. The package is subjected to five drops in different orientation. 此包装为箱状, 并经受五个方向的跌落。		
	Drop Target / 跌落目标: The target must be a non-resilient horizontal surface and must be / 跌落目标须为坚硬、无弹性的水平表面且须: (a) Integral and massive enough to be immovable / 足够完整、厚重以固定不动; (b) Flat with a surface kept free from local defects capable of influencing the test results / 表面平坦, 无影响试验结果的局部缺陷; (c) Rigid enough to be non-deformable under test conditions and not liable to become damaged by the tests / 具有足够的刚性, 在试验条件下不会变形并不会被试验所损坏; (d) Sufficiently large to ensure that the test package falls entirely upon the surface / 具有足够大的规格以便试验包装完全跌落在表面上。	The drop target is a steel floor. 跌落目标为钢质地板。		
3.3.1	Requirements / 要求			
188	Each package is 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. 每个包件须能承受任何方向1.2m的跌落试验而容器内物品没有破损, 没有造成内容物移位, 没有出现内装物从内贮器或内容器中漏出。	Status 跌落后状态	No damage to batteries; No battery to battery contact; No release of contents from the package. 电池无损坏; 无电池与电池接触; 无内容物从包装漏出。	P

Photos of samples

样品照片

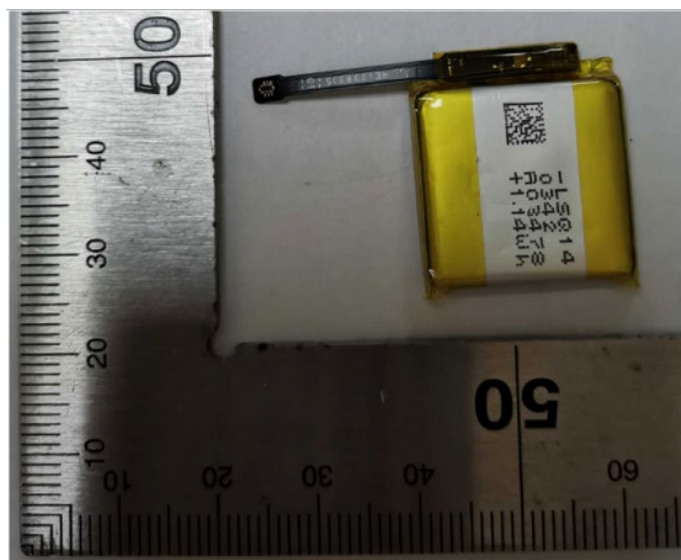
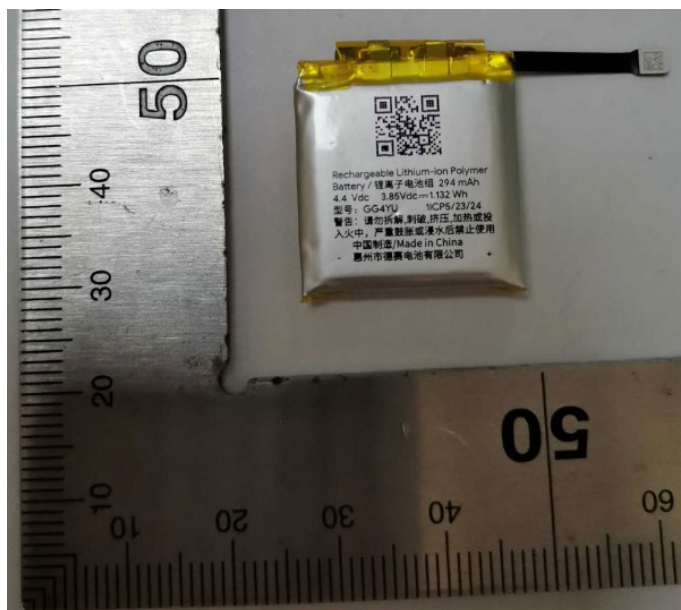
Package/包装箱



Photos of samples

样品照片

Packaged Battery/ 包装的电池



注意事项 Important

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3. 本报告涂改无效。
The test report is invalid if altered.
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Objections to the test report must be submitted to UL within 15 days.
5. 本报告中以点号代替小数点。
Throughout this report a point is used as the decimal separator.
6. 本报告仅对送检样品负责。
The test report is valid for the tested samples only.
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The test report does not grant applicant the use of UL name, trademark or label.
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UL's liability under no circumstance will exceed the testing fee received from applicant for test conducted hereof this testing report.
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The test data and results do not have social proof function.

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