



1.2m Drop Test

Report No. : CESUN190412002-DT

检 测 报 告

TEST REPORT

Name of Sample: Package for Lithium-ion Battery

产品名称 : 锂离子电池的包装件

Model Specification:

产品型号 : 602030

Client: Shenzhen Bai Jia Ying Technology Co., Ltd.

委托单位 : 深圳市佰佳盈科技有限公司

Classification of Test: Commission Test

委托类别 : 委托测试

国家轻工业电池及储能材料质量监督检测中心
先进储能材料国家工程研究中心有限责任公司检测中心

National Light Industry Quality Supervision and Testing Center of Battery Energy Storage Materials
Test Center of Advanced National Engineering Research Center of Storage Materials

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Marking

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4. 报告涂改无效。

The test report is invalid if altered.

5. 对检测报告若有异议，应于收到报告之日起十五天内向检测单位提出。

Objections to the test report must be submitted to Test Center within 15 days.

6. 报告仅对送检样品负责。

The test report is Valid for the tested samples only.

7. 本报告检测结论中“N/A”表示“不适用”，“P”表示“符合标准要求”，“F”表示“不符合标准要求”。

As for test result, "N/A" means is “not applicable”, “P” means “pass”, “F” means “fail”.

检测单位地址：广东省深圳市宝安区新安街道宝石路29号蓝坤集团大厦B栋1楼

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TEST REPORT

Name of samples: Package for Lithium-ion Battery 样品名称: 锂离子电池的包装件	Type/Model: 型号规格: 602030 3.7V 300mAh 1.11Wh
Commissioned by: Shenzhen Bai Jia Ying Technology Co., Ltd. 委托单位: 深圳市佰佳盈科技有限公司	Commissioner address: 3rd floor,4 Jufu Road,Changan Town,Dongguan,Guangdong 委托单位地址: 广东省东莞市长安镇聚福路4号3楼
Manufacturer: Shenzhen Bai Jia Ying Technology Co., Ltd. 生产单位: 深圳市佰佳盈科技有限公司	Manufacturer address: 3rd floor,4 Jufu Road,Changan Town,Dongguan,Guangdong. 生产单位地址: 广东省东莞市长安镇聚福路4号3楼
Quantity of sample: 2packages 样品数量: 2个包装	Sampled identification: 样品标识序号: p1#-p2#
Classification of Test: Commission Test 检测类别: 委托测试	Size of Product (L×W×T) : 产品尺寸: 30.0mm×25.0mm×6.0mm
Receiving Date: 接样日期: 2019-04-12	Completing Date: 完成日期: 2019-04-25
Tested according to: 测试标准: ST/SG/AC.10/1/Rev.19	Test item: 1 items 测试项目: 1项
<p>Test conclusion: 检测结论:</p> <p>The 1.2m drop test of the packages of the Lithium-ion Battery submitted by Shenzhen Bai Jia Ying Technology Co., Ltd. are tested according to 19th Revised Edition of the Recommendations on the Transport of Dangerous Goods, Model Regulations (ST/SG/AC.10/1/Rev.19).</p> <p>由深圳市佰佳盈科技有限公司送检的锂离子电池的包装件1.2m跌落测试依据《关于危险品货物运输的建议书》规章范本第19修订版进行检测。</p> <p>The test results comply with the relevant requirements of ST/SG/AC.10/1/Rev.19.</p> <p>试验结果符合《关于危险品货物运输的建议书》规章范本第19修订版相关要求。</p> <div style="text-align: right;">  <p>Seal of CES CES印章 Date of issue: 签发日期: 2019 年 04 月 25 日</p> </div>	

Approved by:
(批准)

唐宇平

Reviewed by:
(审核)

陈其平

Tested by:
(主检)

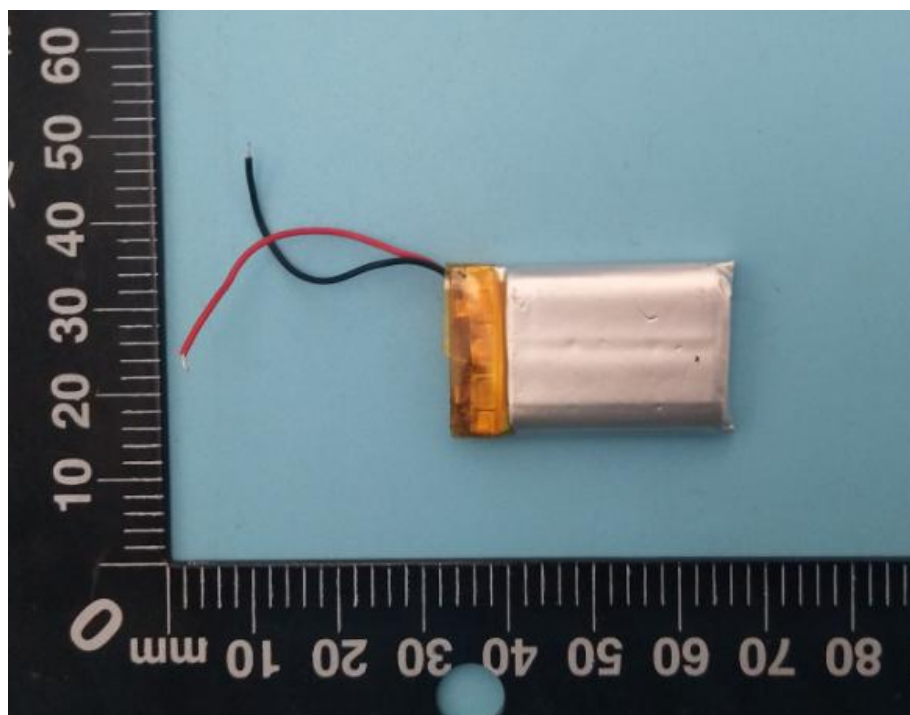
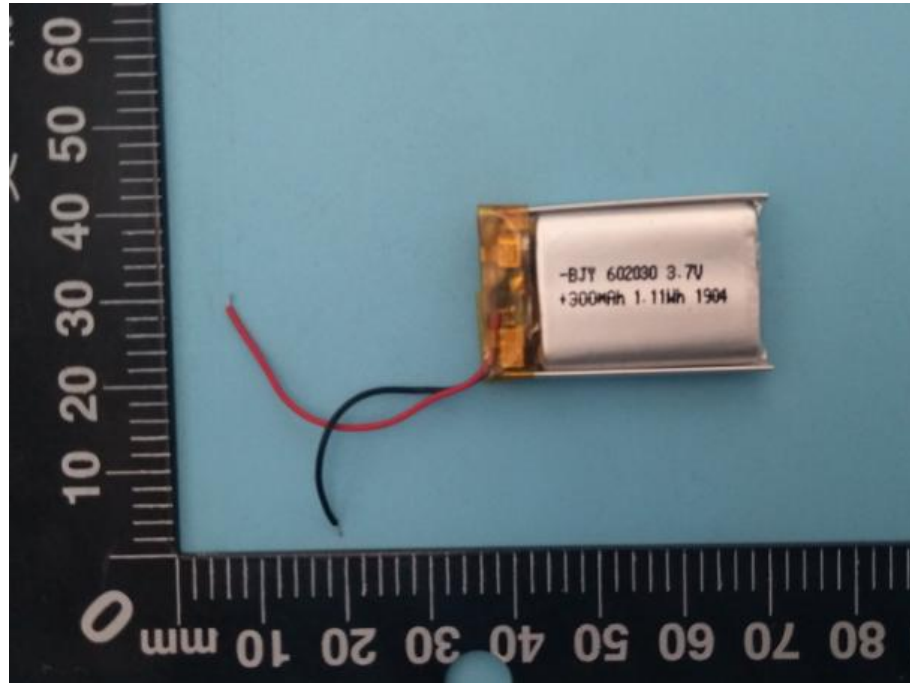
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TEST REPORT

The info of package 包装件信息	
Package No. 包装件编号	p1#~p2#
Package quantity 包装件重量	3.13Kg
Battery netweight 电池净重	1.306Kg
Battery Number 电池个数	200Pcs
Package size 包装件尺寸	390mm×295mm×210mm (L×W×H)
Type of transport 包装件运输方式	Li-ion Battery transport singly 锂离子电池单独运输
the material of outer packaging 外包装材料	
<input checked="" type="checkbox"/> Corrugated carton 硬板纸箱 <input type="checkbox"/> wood carton 木板箱 <input type="checkbox"/> other 其他	
the manner of inner packaging that can be completely enclose the samples 能完全装入样品的内包装方式	
<input type="checkbox"/> Foam material 泡沫材料 <input type="checkbox"/> Plastic disc 吸塑盘 <input type="checkbox"/> Paper divider 纸板隔板 <input type="checkbox"/> Plastic bubble and pearl cotton 塑料气泡与珍珠棉 <input type="checkbox"/> Single sealing plastic bags 单一封口塑料袋 <input type="checkbox"/> Plastic aircushion 塑料气垫 <input checked="" type="checkbox"/> Independent packaging 独立小包装 <input type="checkbox"/> other 其他:	
Description of the sampling procedure: 取样程序的说明: /	
Description of the deviation from the standard, if any: 测试结果不符合标准项的说明: /	
Remarks: 备注: /	

Photos of Samples and Labels/样品照片及标识

Samples /样品 (602030 3.7V 300mAh 1.11Wh)



Photos of Samples and Labels/样品照片及标识

包装箱/Package



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 procedure /测试步骤			-
	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. /如再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方向。 Drop orientation for a package which are 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 跌落目标应为坚硬、无弹性的水平表面且应： (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且不会被试验所损坏； (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成落在表面上.。		The drop target is a concrete floor. 跌落目标为水泥地面。	
3.3.1	Requirements/要求			P
special provision 188(h)	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。	Sample No. 样品号	p1#~p2#	P
		Status 跌落状态	No damage to cells; No cell to cell 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。	