

跌落测试报告

Drop Test report

NAME OF SAMPLE.....: Li-ion Polymer Battery
产品名称.....: 聚合物锂离子电池
Type/型号规格.....: BL0750F5030481S1PCMC
3.7VDC, 700mAh, 2.59Wh
CLIENT.....: GlobTek, Inc.
委托单位.....: --
Report No.: ED160607052S-5
报告编号.....:
CLASSIFICATION OF TEST: Commission Test
检验类别.....: 委托测试

东莞市信测科技有限公司

EMTEK (DONGGUAN) CO., LTD

Name of samples 样品名称	Li-ion Polymer Battery 聚合物锂离子电池	
Commissioned by 委托单位	Commissioned by: GlobTek, Inc. 委托单位:--	
Commissioner address: 委托单位地址	Commissioner address: 186 Veterans Dr. Northvale, NJ 07647 USA 委托单位地址:--	
Manufacturer: 生产单位	Manufacturer : GlobTek (Suzhou) Co., Ltd. 生产单位 : 环球特科(苏州)电源科技有限公司	
Manufacturer address 生产单位地址	Manufacturer address : Building 4, No.76, Jinling East Road, Suzhou Industrial Park, Jiangsu 215021, P.R. China 生产单位地址 : 苏州工业园区金陵东路76号4幢	
Sample information 样品信息	Type/型号规格	BL0750F5030481S1PCMC 3.7VDC, 700mAh, 2.59Wh
	Appearance 样品外观颜色	Blue/蓝色
Package information 包装件信息	尺寸/ Dimensions	42.0cm*26.0cm*13.5cm
	重量/ Gross weight:	3.3kg
	电池个数/ battery Number	120pcs
Equipment information 包装件内设备信息	设备名称/ Name	--
	设备型号/ Type	--
	设备商标/Trade mark	--
Date/日期	2016-08-17	
Refer to 依据	国际航空运输协会《危险品运输规则》第 57 版 IATA Dangerous Goods Regulations 57th Edition	
Certification 结论	<p>1. 危险品识别: 锂离子电池(包括锂离子聚合物电池) Hazards identification: Lithium ion batteries (including lithium ion polymer batteries)</p> <p>2. 包装箱能够承受 1,2 米跌落测试。 The package has passed the 1,2m drop test.</p> <p>3. 包装满足 IATA 第 57 版 DGR 手册包装说明 965 IB 要求。 Packaging complies with the requirements of Packing Instruction 965 IB of 57th DGR Manual of IATA.</p> <p>签发日期: 2016-08-17 鉴定单位印章 Issue Date: (Stamp)</p>	

Approved by:

批准:

_____ 杨洋

Reviewed by:

审核:

_____ 张雷

Tested by:

检测:

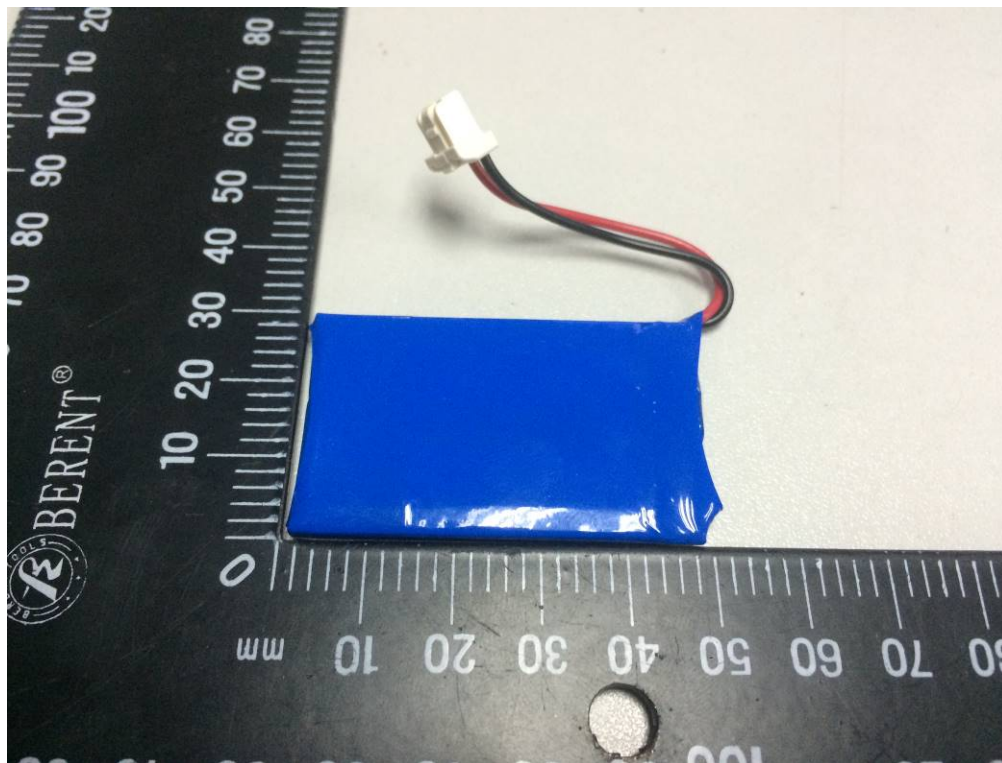
_____ 张雷

样品描述及说明 Description and illustration	
防短路及意外启动的内部包装方式 The manner of inner packaging that can prevent short circuits and accidental operation	<input type="checkbox"/> 电池盖帽 battery cap <input type="checkbox"/> 泡沫材料Foam material <input type="checkbox"/> 吸塑盘Plastic disc <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 checked="" type="checkbox"/> 独立小包装 Independent packaging <input type="checkbox"/> 绝缘胶带密封正负极端子 The positive and negative terminals sealed by Insulating tape <input type="checkbox"/> 其他 other_____
锂电池防止外部短路的有效装置 the effective means of preventing external short circuits	<input checked="" type="checkbox"/> 线路板Circuit board <input type="checkbox"/> 熔断丝 fuse <input type="checkbox"/> PTC <input type="checkbox"/> 二极管Diode <input type="checkbox"/> 极耳熔断Extreme ear fuse <input type="checkbox"/> 端子绝缘套 Terminal insulator set <input type="checkbox"/> 其他other_____
锂电池防止反向电流的有效装置the effective means of preventing reverse current flow	<input checked="" type="checkbox"/> 线路板Circuit board <input type="checkbox"/> 熔断丝 fuse <input type="checkbox"/> PTC <input type="checkbox"/> 二极管Diode <input type="checkbox"/> 极耳熔断Extreme ear fuse <input type="checkbox"/> 其他other_____
锂电池安全排气装置 safety venting device	<input type="checkbox"/> 有yes <input type="checkbox"/> 无no
<p>本报告所述锂电池按照《危险品规则》（57版）3.9.2.6（e）规定的质量管理体系进行制造，本报告所述锂电池不属于因安全原因召回的锂电池。</p> <p>本报告所述锂电池不属于以回收或处置为目的的航空运输，不属于废弃锂电池。</p> <p>Lithium cells and batteries listed in this report were manufactured under the quality management programmer as described in IATA DGR 57th 3.9.2.6（e）.</p> <p>Lithium cells and batteries listed in this report are not the defective cells or batteries returned to the manufacturer for safety reasons.</p> <p>Lithium cells and batteries listed in this report are not waste cells or batteries, and they will not be shipped for recycling or disposal.</p>	
<p>备注：Remarks: 该报告中逗号用以代替小数点。 Throughout this report a comma is used as the decimal separator.</p>	

Photos of sample and labels/样品照片及标识

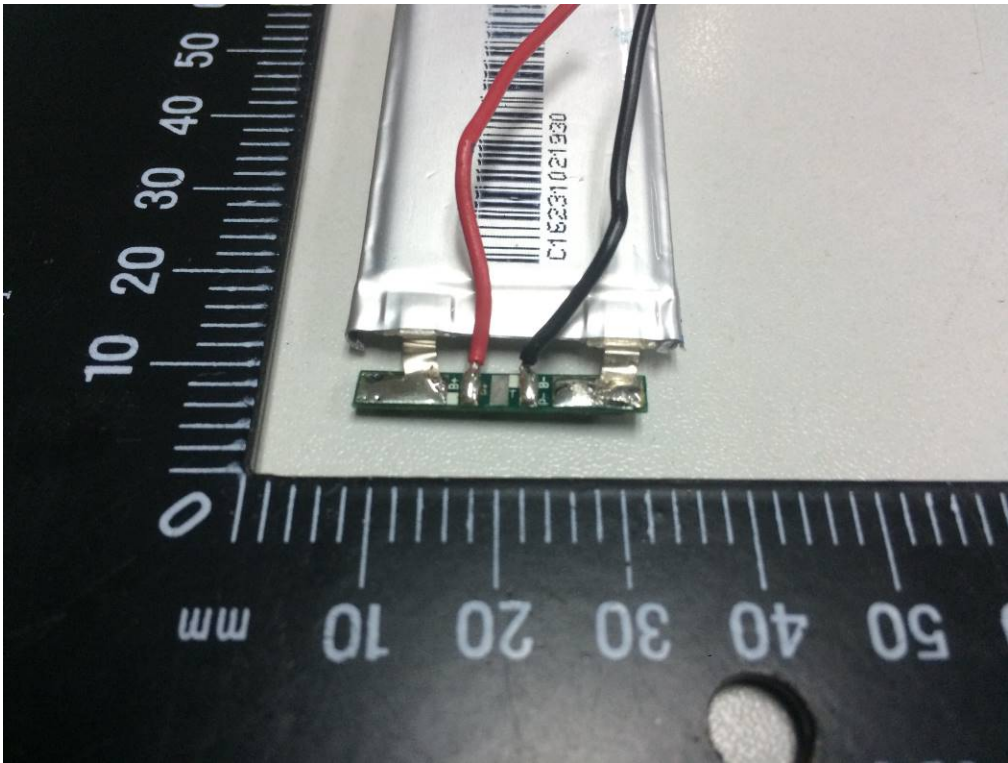
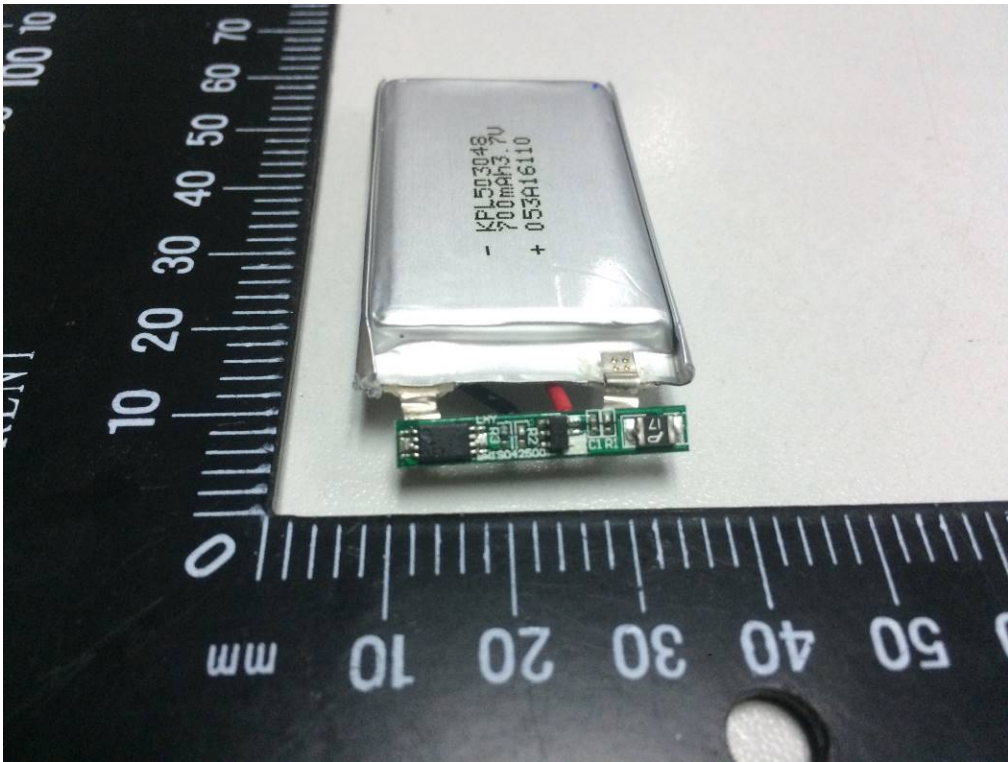
Li-ion Polymer Battery / 聚合物锂离子电池

型号 model: BL0750F5030481S1PCMC, 3.7VDC, 700mAh, 2.59Wh



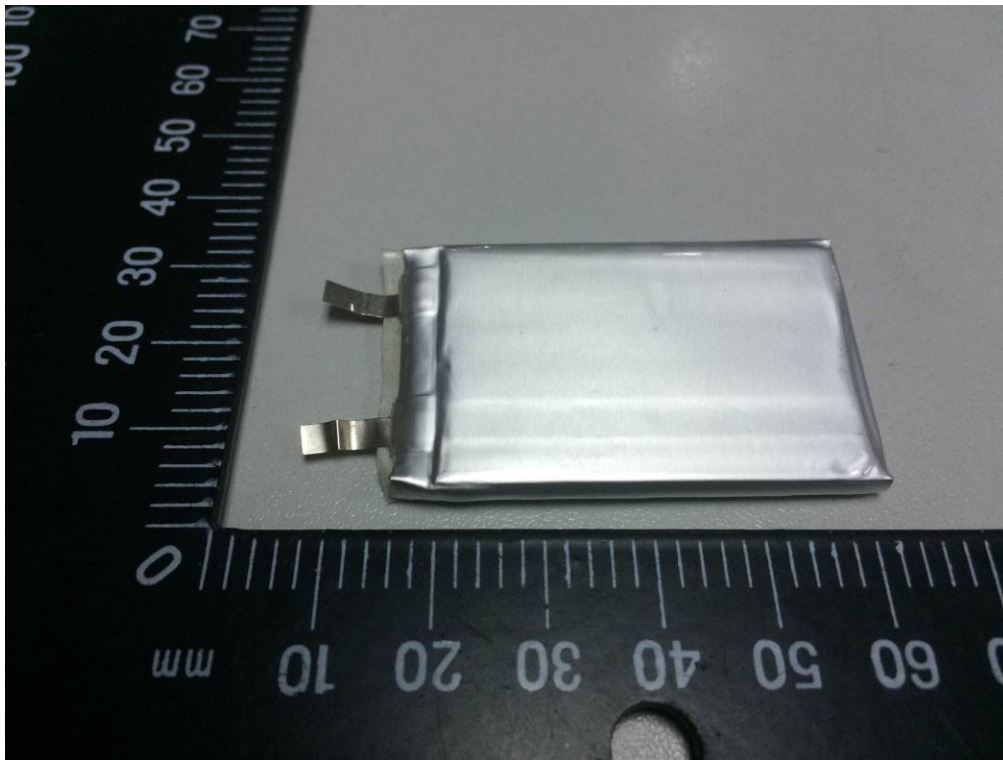
Internal Battery/内部电池组





Cell/电池

聚合物锂离子电池/Cell model: KLP503048, Type/型号规格: 3.7Vdc, 700mAh



样品包装照片及其标识 Photos of Packages and Label

包装/Package



合成包装/Package



1	1,2米跌落测试/1,2m Drop test		-
测试步骤/Test procedure			
电池包装件从1,2米跌落/ The package of batteries is dropped from 1,2m			P
	<p>跌落方向/Drop orientation</p> <p>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。/ 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.</p> <p>箱状包装的跌落方向/ Drop orientation for a package which are in the shape of a box.:</p> <p>第一次：以箱底平跌 / First drop: flat on the bottom</p> <p>第二次：以箱顶平跌 / Second drop: flat on the top</p> <p>第三次：以一长侧面平跌 / Third drop: flat on the long side</p> <p>第四次：以一短侧面平跌 / Fourth drop: flat on the short side</p> <p>第五次：以一个角跌落 / Fifth drop: on a corner</p>	<p>此包装为箱状，并经受五个方向的跌落。</p> <p>The package is in the shape of a box. The package is subjected to five drops in different orientation.</p>	
	<p>跌落目标/Drop Target: 跌落目标须为坚硬、无弹性的水平表面且须/The target must be a non-resilient horizontal surface and must be :</p> <p>(a) 足够完整、厚重以固定不动/integral and massive enough to be immovable ;</p> <p>(b) 表面平坦，无影响试验结果的局部缺陷/flat with a surface kept free from local defects capable of influencing the test results/;</p> <p>(c) 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 /rigid enough to be non-deformable under test conditions and not liable to become damaged by the tests ;</p> <p>(d) 具有足够大的规格以便试验包装完全跌落在表面上/sufficiently large to ensure that the test package falls entirely upon the surface .</p>	<p>跌落目标为水泥地面。</p> <p>The drop target is a concrete floor.</p>	
	要求/Requirements		P
<p>每个包件须能承受任何方向1,2m的跌落试验而内装的电芯或电池不发生损坏，不发生造成电芯或电芯（电池与电池）接触的内容物移位及内容物漏出。 Each package is capable of withstanding a 1,2m drop test in any orientation</p>	编号/No.	#1	

	<p>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.</p>	<p>Status 跌落后状态</p>	<p>电池无损坏；无电池与电池接触；无内容物从包装漏出。 No damage to batteries; No battery to battery contact; No release of contents from the package.</p>	
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注意事项

Important

1. 本报告无检验单位印章无效。
The test report is invalid without the official stamp of EMTEK.
2. 未经本试验室书面同意，不得部分地复制本报告。
Nobody is allowed to photocopy or partly photocopy this test report without written permission of EMTEK
3. 本报告无批准人、审核人及鉴定人签名无效。
The test report is invalid without the signatures of Ratifier, reviewer and testing engineer
4. 本报告涂改无效。
The test report is invalid if altered
5. 对检验报告若有异议，应于收到报告之日起十五天内向检验单位提出。
Objections to the test report must be submitted to EMTEK within 15days
6. 本报告仅对送检样品负责。
The test report is valid for the tested samples only
7. 判定栏中“-”表示“不需要判定”，“P”表示“通过”，“F”表示“不通过”，“N/A”表示“不适用”。
As for the verdict, “-” means “no need for judgement”, “P” means “pass”, “F” means “fail” and “N/A” means “not applicable”.

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