

# 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-4  
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	国际海运危险货物运输规则 IMDG CODE(inc Amdt. 37-14)	
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.本报告所述锂离子电池通过《联合国关于危险货物运输的建议书》第 18 修订版之《试验和标准手册》第 5 修订版第 38.3 节进行检测, UN38.3 测试报告编号为 ED160607052S-3 The Lithium ion battery are tested according to section UN38.3 of the fifth revised edition amendment 1 and amendment 2 of recommendations on the transport of dangerous Goods, manual of test and criteria (ST/SG/AC.10/11/Rev.5Section 38.3/Amend.1/Amend.2), the UN38.3 test report No. is ED160607052S-3</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 IMDG CODE( inc Amdt.37-14) 特殊规定188要求, 可按普通货物办理。 Packaging complies with the special provision 188 of IMDG CODE</p>	

	(inc Amdt.37-14)
	签发日期: Issue Date:
	鉴定单位印章 (Stamp) 

Approved by:

批准:

                    杨洁                    

Reviewed by:

审核:

                    陈雷                    

Tested by:

检测:

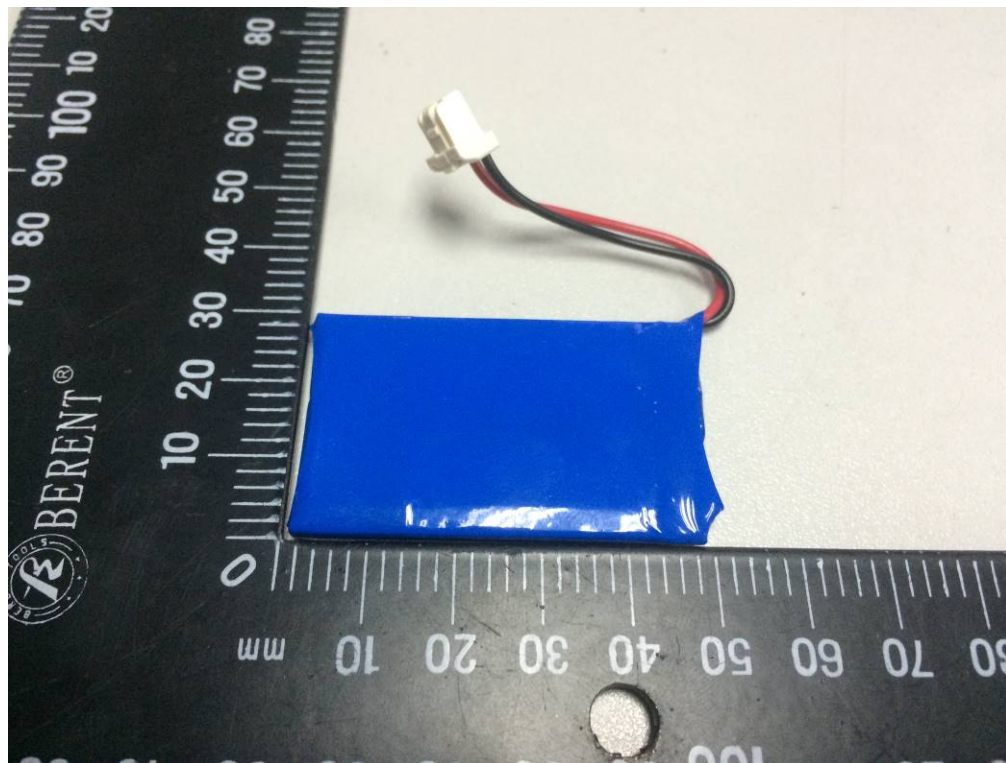
                    张丽娜

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 checked="" type="checkbox"/> 无no
<p>本报告所述锂电池按照&lt;国际海运危险货物运输规则&gt;(36-12 版) 2.9.4(5) 规定的质量体系进行制造。</p> <p>Lithium ion cells and batteries listed in this report were manufactured under the quality management programmer as described in IMDG CODE (Amdt. 36-12) 2012 Edition 2.9.4(5)</p>	
<p>备注: <b>Remarks:</b> 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

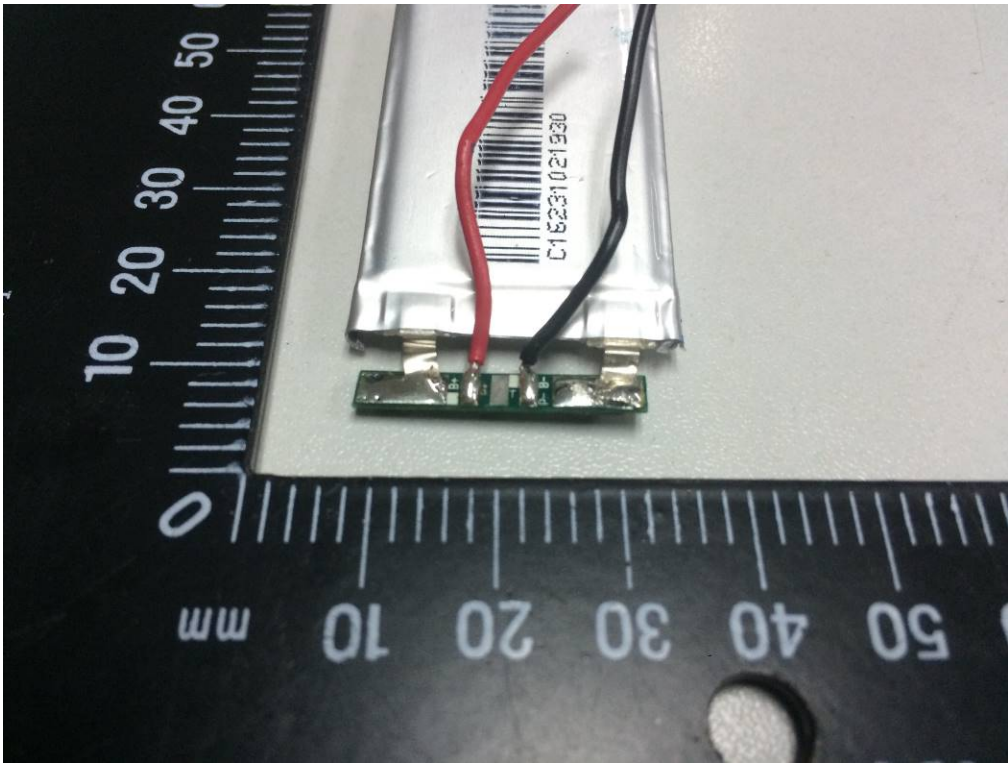
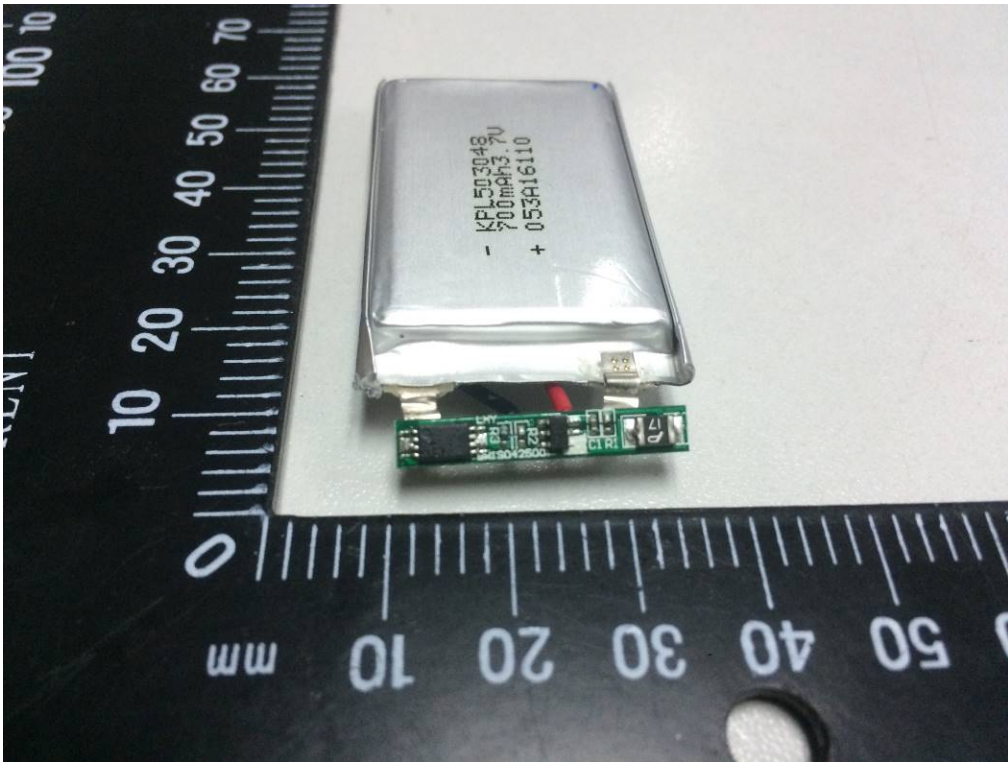
型号 model: BL0750F5030481S1PCMC, 3.7VDC, 700mAh, 2.59Wh





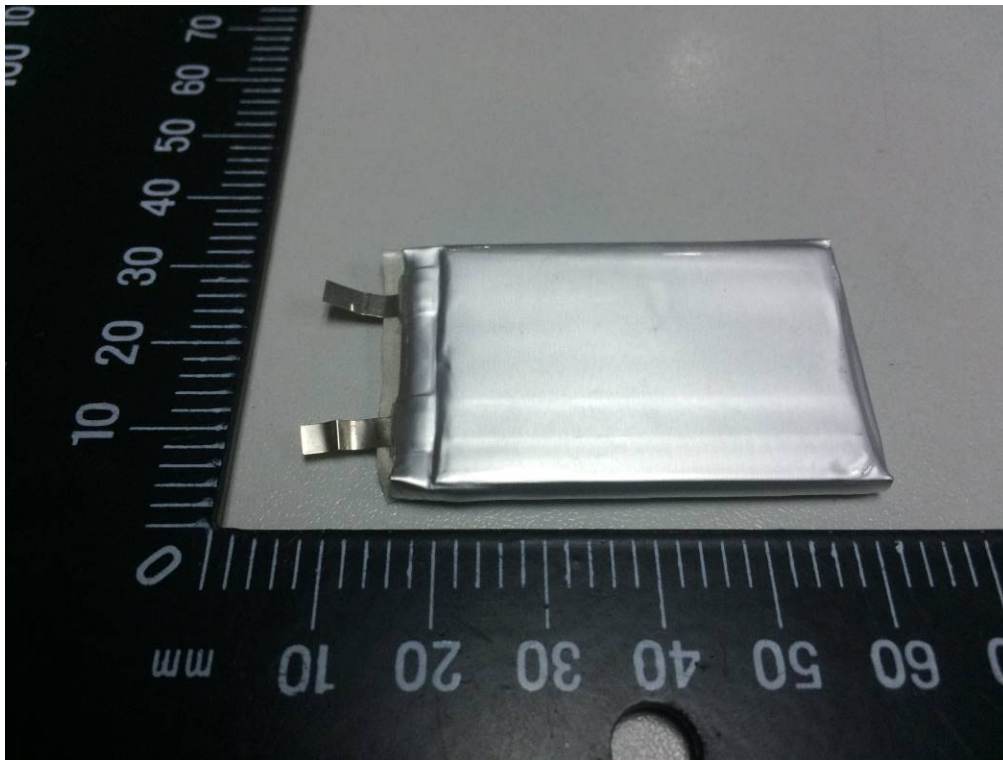
Internal Battery/电池组内部





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		P	
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>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	
	<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>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>	<p>编号/No.</p>	<p>#1</p>	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.	<b>Status</b> 跌落后状态	电池无损坏；无电池与电池接触；无内容物从包装漏出。 <b>No damage to batteries;</b> <b>No battery to battery contact;</b> <b>No release of contents from the package.</b>	
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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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