

1.2M 跌落试验报告

1.2M Drop Test Report

报告编号 Report No.: RHDTL260410016

产品名称: Name of Samples:	一次性锂-亚硫酰氯电池 Lithium Thionyl Chloride Battery
型号: Model:	LS17330
委托方名称: Applicant's name:	深圳市拓尔德能源有限公司 ShenZhen Tuorde Energy Co., Ltd.
签发日期: Date of issue:	2026.04.14

东莞市鸿鼎储能检测技术有限公司
Dongguan HDTL Technology Co., Ltd



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样品信息 Information of samples	一次性锂-亚硫酰氯电池 LS17330 3.6V 2.1Ah Lithium Thionyl Chloride Battery LS17330 3.6V 2.1Ah
测试实验室 Testing laboratory	东莞市鸿鼎储能检测技术有限公司 Dongguan HDTL Technology Co., Ltd.
实验室地址 Laboratory address	广东省东莞市东城街道金中路 5 号 1 栋 101 室 Room 101, Building 1, No. 5 of Jinzhong Road, Dongcheng Street, Dongguan City, Guangdong Province, China
委托单位 Applicant	深圳市拓尔德能源有限公司 ShenZhen Tuorde Energy Co., Ltd.
委托单位地址 Applicant Address	深圳市龙岗区宝龙街道南约社区高科大道 62 号 2 号厂房 Plant 2, No.62, Gaoke Road, Nanyue Community, Baolong Street, Longgang District, Shenzhen
制造商 Manufacturer	帅福得(珠海保税区)电池有限公司 Saft (Zhuhai Free Trade Zone) Batteries Co., Ltd
制造商地址 Manufacturer's address	中国广东省珠海市保税区联峰路 201 号恒利工业园 8 栋 Block 8, 201 LianFeng Rd, Free Trade Zone, 519030, ZhuHai, China
测试标准 Standard	联合国《关于危险货物运输的建议书》规章范本(23th)特殊规定 188 条款 United Nations "Recommendations on the Transport of Dangerous Goods" Model Regulations ST/SG/AC.10/1/Rev.23 special provisions 188
接样日期 Date of sample receipt	2026.04.10
测试日期 Tested date	2026.04.10~2026.04.14

检验结论 Test conclusion:

包装符合联合国《关于危险货物运输的建议书》规章范本(23th)特殊规定 188 条款。

The package was capable of withstanding stacking test of United Nations "Recommendations on the Transport of Dangerous Goods" Model Regulations (ST/SG/AC.10/1/Rev.23) special provisions 188.

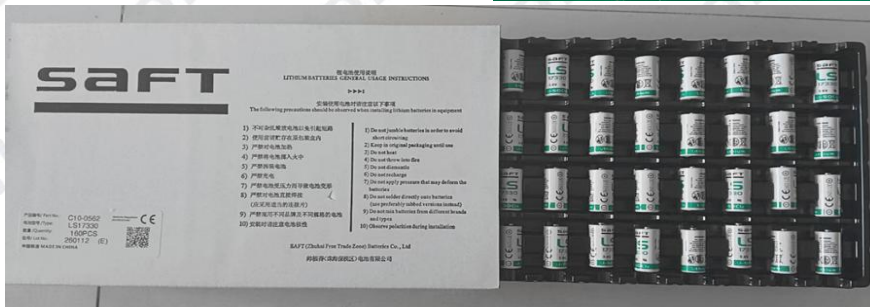
主检:
Tested by审核:
Checked by

刘志鹏



包装件信息 The info of package	
每个包装件毛重 Each package gross weight	10.1kg
每个包装件中电池净重 In each package battery net	8.67kg
包装件尺寸 Packing dimensions	L:41cm × W:35cm× H:19cm
每包装件含电池个数 Number of batteries per package	600pcs
包装件所含设备信息 Information for equipment in the package	
设备名称 Name of equipment	--
设备型号 Mode of equipment	--
样品预处理环境 Ambient Conditions of Sample Preparation	环境温度: 21.8°C 相对湿度: 55%RH
备注 / Remarks: 防短路及意外启用的内部包装方式是: 独立小包装 The manner of inner packaging that can prevent short circuits and accidental operation: Independent packaging.	

Photos of Samples and Labels/样品照片及标识



1.2m Drop test(1.2 米跌落测试)			
Test Items 测试项目	Drop test 跌落测试		
1.1	Test procedure 测试步骤		
	<p>The package of batteries is dropped from 1.2m in any orientation. The test floor is concrete floor. 电池的包装件以任意方向从 1.2 米跌落至水泥地面。</p> <p>Drop orientation for a package which are in the shape of a box 箱状包装的跌落方向:</p> <p>First drop: fat on the bottom 第一次:底部平跌</p> <p>Second drop: flat on the top 第二次:顶部平跌</p> <p>Third drop: fat on the long side 第三次:长侧面平跌</p> <p>Fourth drop: flat on the short side 第四次:短侧面平跌</p> <p>Fifth drop: on a comer 第五次:棱角着地</p>		
	<p>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. 每个电池的包装件以任意方向从 1.2 米跌落, 而没有造成包装件内的电池或电芯的损坏, 也没有移动包装件内的电池或电芯使其相互接触以及包装件内的电池或电芯漏出。</p>		
1.2	Result 测试结果		
	<p>No batteries or cells is damaged or connected by neighbor, the batteries or cells should not be released from package. 包装件内的电池或电芯无损坏, 无相互接触。包装件内的电池或电芯不能从包装件漏出。</p>	Bottom 底部平跌	The package is not cracked, the contents are not damaged and not shifted. 包装未破裂, 内装物完好。
		Top 顶部平跌	The package is not cracked, the contents are not damaged and not shifted. 包装未破裂, 内装物完好。
		Long side 长侧面平跌	The package is not cracked, the contents are not damaged and not shifted. 包装未破裂, 内装物完好。
		Short side 短侧面平跌	The package is not cracked, the contents are not damaged and not shifted. 包装未破裂, 内装物完好。
		Comer 棱角着地	The package is not cracked, the contents are not damaged and not shifted. 包装未破裂, 内装物完好。

声明 Declaration

1. 本报告无批准人、审核人及检测人签名无效。

The test report is invalid without the signatures of Ratifier, Reviewer and Testing engineer.

2. 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 HDTL within 15 days.

3. 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 HDTL.

4. 本报告仅对送检样品负责。

The test report is valid for the tested samples only.

5. 本报告涂改无效。

The test report is invalid if altered.

--- 报告结束---

--- End of Report ---