



1.2m 测试报告

1.2m Test Report

报告编号Report No.: S03A21010644D02001

样品名称: 圆柱锂离子二次电芯
Sample Name: Cylindrical Li-ion rechargeable cell

样品型号: SW18650-34MP
Sample Model:

委托单位: 东莞市振华新能源科技有限公司
Applicant: Sinowatt Dongguan Limited

签发日期: 2021-02-23
Issue Date:

广东储能检测技术有限公司
Guangdong ESTL Technology Co., Ltd.



样品名称 Sample Name	圆柱锂离子二次电芯 Cylindrical Li-ion rechargeable cell	样品型号 Sample Model	SW18650-34MP
标称电压 Nominal Voltage	3.6V	额定容量 Rated Capacity	3350mAh
瓦时 Watt-hour	12.06Wh	商标 Trade mark	--
测试实验室 Testing laboratory	广东储能检测技术有限公司 Guangdong ESTL Technology Co., Ltd.		
测试地址 Testing Address	广东省东莞市松山湖园区总部二路9号1栋1单元101、201-208室。 Room 101, 201-208, Unit 1, Building 1, No. 9 Headquarters 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China.		
委托单位 Applicant	东莞市振华新能源科技有限公司 Sinowatt Dongguan Limited		
委托单位地址 Applicant Address	中国广东省东莞市凤岗镇黄洞玉泉工业区 Yuquan Industrial Zone, Huangdong, Fenggang Town, Dongguan, Guangdong Province, P.R. China		
制造商 Manufacturer	东莞市振华新能源科技有限公司 Sinowatt Dongguan Limited		
制造商地址 Manufacturer Address	中国广东省东莞市凤岗镇黄洞玉泉工业区 Yuquan Industrial Zone, Huangdong, Fenggang Town, Dongguan, Guangdong Province, P.R. China		
测试标准 Standard	ST/SG/AC.10/1/Rev.20		
测试日期 Tested date	2021-01-28 to 2021-02-22		

检验结论 Test conclusion:

The 1.2m drop test of the PACKAGE for Cylindrical Li-ion rechargeable cell submitted by Sinowatt Dongguan Limited 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).

由东莞市振华新能源科技有限公司送检的圆柱锂离子二次电芯的包装件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20修订版进行检测。

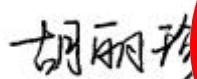
The test results comply with the relevant requirements of ST/SG/AC.10/1/Rev.20.

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。

检测 Tested by



审核 Reviewed by



批准 Approved by

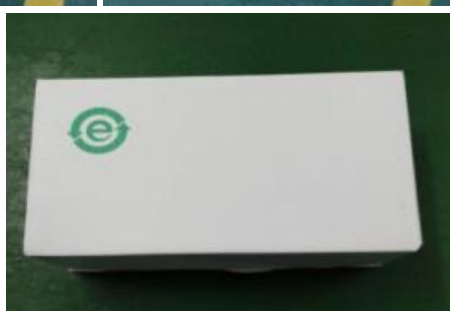



包装件信息The info of package	
每个包装件毛重 Each package gross weight	4.5kg
每个包装件中电池净重 In each package battery net	3.42kg
电池个数 Battery Number	72个/箱 72pcs/packing
包装件尺寸 Package size	430mm*240mm*240mm
包装方式 Packaging type	包装箱内含锂电池。 Package including lithium batteries .
外包装材料 The material of outer packaging	<input checked="" type="checkbox"/> 硬板纸箱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 checked="" type="checkbox"/> 泡沫材料Foam material <input type="checkbox"/> 吸塑盘Plastic disc <input type="checkbox"/> 纸板隔板Paper divider <input type="checkbox"/> 塑料气垫Plastic air cushion <input type="checkbox"/> 单一封口塑料袋 <input type="checkbox"/> 塑料气泡与珍珠棉 Single sealing plastic bags Plastic bubble and pearl cotton <input checked="" type="checkbox"/> 独立小包装 <input type="checkbox"/> 其他Other: Independent packaging
备注/Remarks: 1. 本报告中以点代替小数点。 Throughout this report a comma is used as the decimal separator. 2. 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”.	

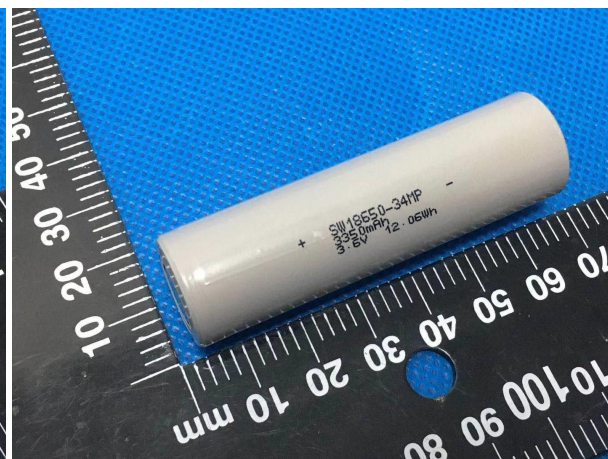
章节 Clause	标准要求 Requirements	测试结果 Result	判定 Verdict
6.1.5.3	1.2 米跌落测试 / 1.2m Drop test		P
6.1.5.3.1	测试步骤 / Test procedure		P
	电池包装件从 1.2 米跌落 / The package of batteries is dropped from 1.2m		P
	跌落方向 / Drop orientation: 如在一次跌落试验中可能有一种以上的方向, 须选择最易使包装损坏的跌落方向 / Where more than one orientation is possible for a given drop, the orientation most likely to result in failure of the packing must be used. 箱状包装的跌落方向 / Drop orientation for a package which are in the shape of a box: 第一次: 以箱底平跌 / First drop: flat on the bottom 第二次: 以箱顶平跌 / Second drop: flat on the top 第三次: 以一长侧面平跌 / Third drop: flat on the long side 第四次: 以一短侧面平跌 / Fourth drop: flat on the short side 第五次: 以一个角跌落 / Fifth drop: on a corner	此包装为箱状, 并经受五个方向的跌落。 The package is in the shape of a box. The package is subjected to five drops in different orientation.	P
6.1.5.3.4	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: 1. 足够完整、厚重以固定不动 / Integral and massive enough to be immovable 2. 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 3. 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 4. 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 fall securely upon the surface	跌落目标为水泥地面。 The drop target is a concrete floor.	P
3.3.1	要求 / Requirements		P
Special provision 188 (g)	除了当电池是安装在产品中的时候, 每个包件必须能承受任何方向 1.2m 的跌落试验包含其中没有损坏电池或电池组, 没有内容物位移以致电池组和电池组 (或电池和电池) 接触, 没有释放出内容物 Except when batteries are installed in equipment, each package shall be 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	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

Photos of Samples and Labels/样品照片及标识

包装件 Package:



电芯 Cell:



声明 Declaration

1. 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.

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 ESTL 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 ESTL.

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 ---