

世标检测认证机构

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第1页共5页 page of

Test Report

报告编号: WSCT1405000111BS

Report No.

日期: 2014年6月16日 Y M D Date:

申请商 Applicant

: TORNADO SCIENCE GROUPS LIMITED 飓风科技集团有限公司

地址 Address

: 1-1-402, NanKai Industrial Zone, Tianjin, P.R.China

天津市南开区南开工业园 1-1-402

以下检测之样品是由委托方所提供及确认:

Report on the submitted sample said to be:

样品名称 Sample name

: 锂离子电池组 Lithium ion Battery Pack

型号 Model

TDP-12V12A

供应商 Supplier

TORNADO SCIENCE GROUPS LIMITED.

制造厂 Manufacturer

TORNADO SCIENCE GROUPS LIMITED.

接收样品日期 Date of sample received

May.24, 2014

测试时间 Date(s) of test

Jun.5 . 2014~ Jun.8 . 2014

测	试要求 Test Requested	结果 Result		
	关于危险货物运输的建议书一规章范本 ST/SG/AC.10/1/Rev.17 188 款。			
1	United nations "recommendations on the TRANSPORT OF DANGEROUS GOODS" model Regulations (17 th Rev. Edition) special provisions 188.			

******更多详细信息请查阅下页 FOR FURTHER DETAILS. PLEASE REFER TO THE FOLLOWING PAGE(S)******

测试 Tested by:

审核 Reviewed by:

实验室经理 Lab Manager

日期 Date

2010.6.6

日期 Date

日期 Date

Rain huang

Davis Yang 工程师 Engineer

批准 Approved by:

Wang Fengbing

授权签字人 Approved Signatory

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page

第2页共5页

of

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1. 基本信息 Basic information

样品名称 Sample name	锂离子电池组 Lithium ion Battery Pack	型号规格 Type	TDP-12V12A	
标称电压 Nominal voltage	12V	额定容量 Rated capacity	12A 144Wh	
内含电池数量 Battery number	18/Packing	商标 Trade mark	ENERBYTE	
包装件重量 Packaging weight	30.5Kg	包装件尺寸(L*W*T) Packaging dimensions	(360*360*360) mm	
外包装 Outer packing	瓦楞纸箱 Corrugated cate	内包装 Inside packing	纸盒 Paper box	
包装件电池净重 Net quantity of batteries per package	1.65Kg/Packing			
试验项目 Test item	1.2 米跌落测试 1.2m drop test			
试验结论 Test conclusion	被测试包装件能够承受 1.2m 跌落试验,其内装的电池没有破损,没有产生导致内装电池的直接接触的移动及内容物泄漏,测试合格。 The tested 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. the test passed.			

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page

第3页共5页

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2. 1.2 米跌落测试 1.2m drop test

Test Report 报告编号: WSCT1405000111BS

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环境条件 Environmental conditions: 温度 Temperature (20±5) ℃, 相对湿度 R.H. (40-70) % 测试设备 Name of Equipment: 跌落试验机 drop test machine 型号 Model: WSCTBS-012

	序号 No.	试验项目 Test item	试验依据	结果/Result	备注 remark	
/		1.2 米跌落测试	关于危险货物运输的建议书—规章范本 ST/SG/AC.10/1/Rev.17 188 款 United nations "recommendations on the TRANSPORT OF	合格/Pass	X	
	SET	1.2m drop test	DANGEROUS GOODS" model Regulations (17th Rev.			
			Edition) special provisions 188.	\ /		

跌落方向 Drop position:

1	跌落方向	上面	前面	侧面	棱	角
and the same	Drop position	Тор	Front	Side	Edge	Angle
7	包装状态	合格/Pass	合格/Pass	合格/Pass	合格/Pass	合格/Pass
	Status	H 1H 12 W55	H 1H/2 665		Д 1H/1 м 55	/ 111,7 4,00

测试要求描述 Testing requirements description:

1) 每个电芯或电池的包装件或者完全包装件必须能承受 1.2 米跌落测试,每个包装件进行 5 次不同方向的跌落 测试,而不造成包含在其中的电池或电芯的损坏,不造成使电池与电池(电芯与电芯)接触的内含物的移动 和内含物的释出。

The package of batteries is dropped from 1.2m 5 times per package. 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 content so as to allow battery to battery(cell to cell) contact and without release of contents.

结论 Conclusion:

包装件通过 1.2m 跌落试验 The package had passed 1.2m drop test.

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第4页共5页 page

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Report No.

样品图片 Photo of the sample

电池 Battery:





日期: 2014年6月16日

Date:

Y M D

包装件 Package:



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第5页共5页 page of

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******报告结束 End of report*****

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