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检测报告 UN38.3

Name	of sample:	Polymer li-ion battery	
	产品名称:	聚合物锂离子电池	,
	Client:	XinWei Power Supply (dongguan) Co.,LTD	u.
	委托单位:	芯威电源 (东莞) 有限公司	5
Clas	ssification:	Commission Test	Tian
	检测类别:	委托测试	

Shenzhen Tiansu Calibration and Testing Co.,Ltd 深圳天溯计量检测股份有限公司

Building1/4,No.2,Jinlong Road,Longgang District,Shenzhen,Guangdong,China

深圳市龙岗区锦龙大道2号1栋、4栋

http://www.tiansu.org E-mail:tsjc@tiansu.org Tel:+86-755-84815081



UN38.3



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Name of samples: Polymer li-ion battery	Trade mark: -
样品名称: 聚合物锂离子电池	商标:-
Commissioned by: XinWei Power Supply (dongguan) Co.,LTD 委托单位: 芯威电源(东莞)有限公司	Commissioner address: 2nd Floor, No.10 Zhongkeng Road, Qingxi Town, Dongguan City 委托单位地址: 东莞市清溪镇中坑路 10 号二楼
Manufacturer by: XinWei Power Supply (dongguan) Co.,LTD 制造单位: 芯威电源(东莞)有限公司	Manufacturer address: 2nd Floor, No.10 Zhongkeng Road, Qingxi Town, Dongguan City 制造单位地址: 东莞市清溪镇中坑路 10 号二楼
Manufacturer's Contact Information 制造商联系信息: Phone: 13538283952 Email: 13538283952@163.com	Manufacturer's Web Site 制造商网址:
Type/Model	shape: Primatic
型号规格: 702530	样品形状: 棱形
Appearance color: Silver	Sample size
样品颜色: 银白色	样品尺寸: T(6.79mm)*W(24.40mm)*L(31.75mm)
Rated info.	Cell quantity
额定信息: 500mAh/1.85Wh/3.7V	组成电芯数量: N/A
Quantity of sample: 40cells	Cell mode
样品数量: 40 个电芯	电芯型号: N/A
Limited charge voltage	Cut-off voltage
充电限制电压: 4.2V	放电截止电压: 3.0V
Standard charge current	Max continuous charge current
标准充电电流: 250mA	最大持续充电电流: 500mA
Standard discharge current 标准放电电流: 100mA	Max continuous discharge current 最大持续放电电流: 500mA
Receiving date	Sample identification
接样日期: 2019 年 12 月 24 日	样品标识序号: 1#~40#
Completing date	Test item: 7 items
完成日期: 2020 年 1 月 03 日	测试项目: 7 项
Test sandusian.	K VIII

Test conclusion:

检测结论:

The Polymer li-ion battery submitted by XinWei Power Supply (dongguan) Co., LTD are tested at ording to Section 38.3 of the Sixth Revised Edition Amendment 1 of the Recommendations on the Transport of Dangerous Goods, Manual of Test and Criteria (ST/SG/AC.10/11/Rev.6/Amend.1/Section38.3). The test results comply with the release requirements of the standard.

由芯威电源(东莞)有限公司送检的聚合物锂离子电池,依据《关于危险品货物运输的建文》,试验的标准手册第六修订版修正 1 第 38.3 节进行检测,测试结果符合标准相关要求。

Date of issue:

签发日期: 2020年01月06日

Approved by

批准:__

专业

Reviewed by

甲核:



Compiled by

编写:



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Description and illustration of the sample:

样品说明及描述:

The sample's status is good.

样品状况良好。

1.1	m Wyl KN .		AL	C 1017
	Test item	Sample No.	State	Remark
	测试项目	样品编号	状态	备注
<u> </u>	T.1~T.5	1#~5#	at first cycle in fully charged states; 在第一个循环完全充电;	Cell
	1.14 1.5 th	6#~10#	after 25 cycles ending in fully charged states; 在第二十五个循环完全充电;	电芯
		11#~15#	at first cycle at 50% of the design rated capacity; 在第一个循环充电 50%的额定容量;	Cell
	F.T.6	16#~20#	after 25 cycles ending in fully charged at 50% of the design rated capacity; 在第二十五个循环充电 50%的额定容量;	电芯
į	₩1 5. T.7	I VA	Tian St. 1 Fig.	N/A
	表開	Mian Sa	天衛 Tion St / 天瀬	不适用
я 54	7.8	21#~30#	at first cycle in fully discharged states; 在第一个循环完全放电;	Cell
	1.0 美洲	31#~40#	after 25 cycles ending in fully discharged states; 在第二十五个循环完全放电;	电芯

_				
1	escription of	t tha	eamnling	nrocedure.
$\boldsymbol{-}$	COCHDUION	เนเษ	Samulina	procedure.

取样程序的说明:

/

Description of the deviation from the standard, if any:

测试结果不符合标准项的说明:

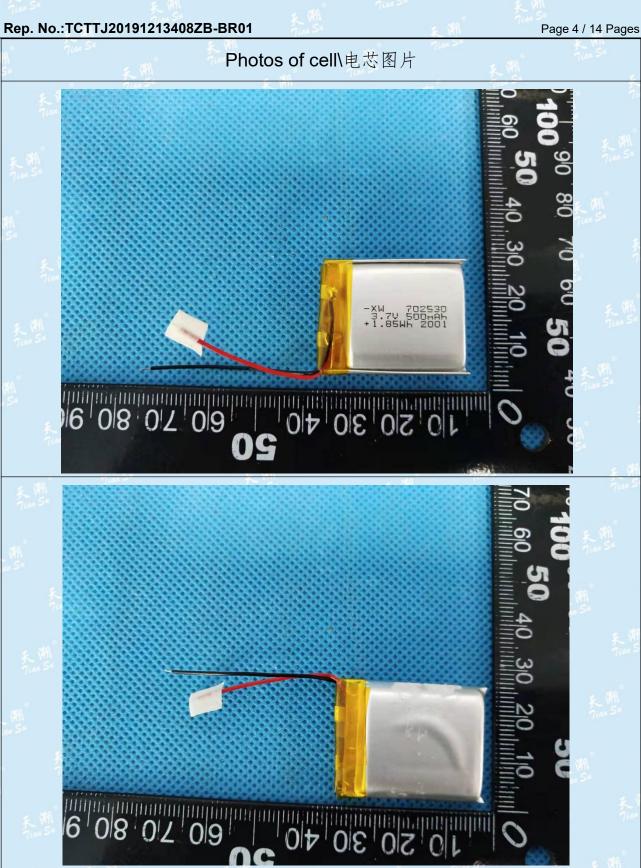
1

Remarks:

备注:

The Polymer li-ion battery submitted by XinWei Power Supply (dongguan) Co.,LTD are single cell.

由芯威电源(东莞)有限公司所送的聚合物锂离子电池是单电芯。



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38.3.4	Procedure/测记	式步骤 一		天雕"	Tian 3"	184	71an Si-	
54	Test 1: Altitud	le simulation/	测试 1: 高度模	拟	: Al	7ian Su	. 3	
	Test cells and batteries shall be stored at a pressure of 11.6kPa or less for at least six hour at ambient temperature (20±5℃). 将电芯和电池在温度为 20±5℃,大气压力为不大于 11.6kpa 的环境中贮存不少于 6 个小时。							
38.3.4.1	Requirement/标准要求: 1.Cells and batteries Mass loss limit: ≤0.2% . 样品质量损失≤0.2%。							
	 2.Open circuit voltage not less than 90%, The requirement relating to voltage is not applicable to test cells and batteries at full discharged states. 样品试验后开路电压应不低于试验前开路电压的 90%,此要求不适用于完全放完电的电池和电芯。 3.No leakage, no venting, no disassembly, no rupture and no fire. 样品(电池)应无漏液、无排气、无解体、无破裂以及无着火现象的发生。 							
	Result 测试结果	1120mm テルフ アルフ	Tion	Su z WA	天湖 Tim Si	100	天瀬。	
Sample No.	Before 测记	4	2.41	Test fun 50 式后	Mass loss	Residual OCV	Test result	
样品编号	Mass 样品质量 (g)	Voltage 开路电压(V)	Mass 样品质量(g)	Voltage 开路电压(V)	质量损失(%)	剩余电压(%)	测试结果	
1#	9.138	4.159	9.137	4.158	0.01	99.98	P	
2#	9.123	4.163	9.122	4.162	0.01	99.98	Р	
3#	9.144	4.157	9.143	4.156	0.01	99.98	P	
4#	9.156	4.159	9.155	4.158	0.01	99.98	Р	
5#	9.146	4.159	9.145	4.158	0.01	99.98	P	
6#	9.158	4.159	9.157	4.158	0.01	99.98	Р	
7#	9.155	4.161	9.154	4.160	0.01	99.98	P	
8#	9.154	4.160	9.154	4.159	0.00	99.98	Р	
9#	9.150	4.159	9.149	4.158	0.01	99.98	Р	
10#	9.150	4.159	9.149	4.158	0.01	99.98	Р	

Other supplements: Test result "P" decides that the test item passes.

其他补充:测试结果"P"代表判定该测试项目通过。

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	38.3.4	Procedure/测	试步骤	i.	天雕	7ian 5	. See	7 can Sil		
4.6	5* #6	Test 2: Thern	nal test/测试 2	: 温度测试	7120-2	- 18E	Tian 5"	系		
	Fine Sa	Test cells and batteries are to be stored for at least six hours at a test temperature equal to 72±2℃, followed by storage for at least six hours at a test temperature equal to -40±2℃, The maximum time interval between test temperature extremes in 30 minutes, This procedure is to be repeated until 10 total cycles are complete, after which all test cells and batteries are to be stored for 24 hours at ambient temperature (20±5℃).								
, J	M S ^a	贮存不少于6	将电芯和电池在温度为 72±2℃的条件下贮存不少于 6 个小时,然后,在温度-40±2℃条件下贮存不少于 6 个小时,两个温度间的间隔最长为 30min,重复操作上述步骤直到 10 次,然后,将其在环境温度为 20±5℃的条件下放置 24 个小时。							
	38.3.4.2	1.Cells and ba	Requirement/标准要求: 1.Cells and batteries Mass loss limit: ≤0.2% . 样品质量损失≤0.2 %.							
	天州 71cm Sn	applicable t 样品试验后	2.Open circuit voltage not less than 90%, The requirement relating to voltage is not applicable to test cells and batteries at full discharged states. 样品试验后开路电压应不低于试验前开路电压的 90%,此要求不适用于完全放完电的电池							
2	湖。	和电芯。 3.No leakage, no venting, no disassembly, no rupture and no fire. 样品(电池)应无漏液、无排气、无解体、无破裂以及无着火现象的发生。								
	Thur St	Result 测试结果	夫州 7ian Su		天湖 7:00 50	Tian Su	天))	m 5#		
	Sample No.	Befor 测词		After 测i	Test 式后	Mass loss	Residual OCV	Test result		
	样品编号	MassVoltageMassVoltage质量损失(%)样品质量 (g)开路电压(V)开路电压(V)								
1	1#	9.137	4.158	9.132	4.135	0.05	99.45	Р		
+	2#	9.122	4.162	9.117	4.132	0.05	99.28	Р		
					2 1111		Corp.			

No.	测1	式頁	测1	式后	Mass loss	Residual OCV	result
样品编号	Mass 样品质量 (g)	Voltage 开路电压(V)	Mass 样品质量(g)	Voltage 开路电压(V)	质量损失(%)	剩余电压(%)	测试结果
5 1#	9.137	4.158	9.132	4.135	0.05	99.45	Р
2#	9.122	4.162	9.117	4.132	0.05	99.28	Р
3#	9.143	4.156	9.140	4.134	0.03	99.47	Р
4#	9.155	4.158	9.152	4.134	0.03	99.42	P 7441 51
5#	9.145	4.158	9.142	4.127	0.03	99.25	Р
6#	9.157	4.158	9.152	4.133	0.05	99.40	Р
7#	9.154	4.160	9.150	4.133	0.04	99.35	Р
8#	9.154	4.159	9.150	4.134	0.04	99.40	P
9#	9.149	4.158	9.143	4.133	0.07	99.40	P
10#	9.149	4.158	9.143	4.133	0.07	99.40	Р

Other supplements: Test result "P" decides that the test item passes.

其他补充:测试结果"P"代表判定该测试项目通过。

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38.3.4	Procedure/测	试步骤		天雕	(LAN)	28.6	71an 54_		
5°	Test 3: Vibra	tion/测试 3:振	动头缆	7100-	. 329	Tion Su			
Cells and batteries are firmly secured to the platform of the vibration machine without distorting the cells in such a manner as to faithfully transmit the vibration, The vibration shall be a sinusoidal wave form with a logarithmic sweep between 7 Hz and 200 Hz and back to 7 Hz traversed in 15 minutes, This cycle shall be repeated 12 times for a total of 3 hours for each of three mutually perpendicular mounting position of the cell. 将电芯和电池军团地安装在振动台的台面上,然后开始振动。振动以正弦波形式,以 7Hz 增									
VA .S"	加至 200Hz,	将电芯和电池牢固地安装在振动台的台面上,然后开始振动。振动以正弦波形式,以 7Hz 增加至 200Hz,然后再减少回到 7Hz 为一个循环,一个循环持续 15 分钟的对数扫频。每个电芯和电池从三个互相垂直的方向上循环 12 次,3 个小时。							
38.3.4.3	Requirement/标准要求: 1.Cells and batteries Mass loss limit: ≤0.2%.								
天 洲 7ina Sa	2.Open circui	样品质量损失≤0.2%. 2.Open circuit voltage not less than 90%, The requirement relating to voltage is not applicable to test cells and batteries at full discharged states. 样品试验后开路电压应不低于试验前开路电压的 90%,此要求不适用于完全放完电的电池							
第 天衛	和电芯。 3.No leakage	, no venting, no	disassembly, r	no rupture and i			7:44 54		
7 jun >	Result 测试结果	7 in 5"	主潮	天M Tian Si	71.01-5" K	湖 Su	51 美術		
Sample No.		re test 试前		r Test 式后	Mass loss	Residual OCV	Test result		
样品编号	Mass 样品质量 (g)	Voltage 开路电压(V)	Mass 样品质量(g)	Voltage 开路电压(V)	质量损失(%)	剩余电压(%)	测试结果		
1#	9.132	4.135	9.131	4.132	0.01	99.93	Р		
2#	9.117	4.132	9.116	4.116	0.01	99.61	ВР		
3#	9.140	4.134	9.139	4.112	0.01	99.47	P. W		

Other supplements: Test result "P" decides that the test item passes.

4.134

4.127

4.133

4.133

4.134

4.133

4.133

9.151

9.141

9.151

9.149

9.149

9.142

9.142

4.111

4.113

4.105

4.104

4.114

4.121

4.112

0.01

0.01

0.01

0.01

0.01

0.01

0.01

99.44

99.66

99.32

99.30

99.52

99.71

99.49

Ρ

Ρ

Ρ

Ρ

Ρ

Ρ

其他补充:测试结果"P"代表判定该测试项目通过。

9.152

9.142

9.152

9.150

9.150

9.143

9.143

4#

5#

6#

7#

8#

9#

10#

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38.3.4	Procedure/测	试步骤	la La	天湖"	764.5	786	71an SIL
µ 5°	Test 4: Shoc	k/测试 4: 冲击	天豐	7/44		Tion 50	£.
## 7100 Se ## 710	Test cells and batteries shall be secured to the testing machine, and each shall be subjected to a half-sine shock of peak acceleration of 150gn (or Acceleration(gn)= √ (10080) / (10080) , which is smaller) and pulse duration of 6 milliseconds, large cells and large batteries shall be subjected to a half-sine of peak acceleration of 50gn (or Acceleration(gn)= √ (10080) , which is smaller) and pulse duration of 11 milliseconds. Each cell or battery shall be subjected to three shocks in the positive direction followed by three shocks in the negative direction of three mutually perpendicular mounting positions of the cell or battery for a total of 18 shocks. 以稳固的托架固定住每个电芯和电池样品的全部配件表面。对每个电芯或电池以峰值为 150gn (或与√(10080) 中的较小值)的半正弦的加速度撞击,脉冲持续6毫秒,大型电池和大型电池组须经受最大加速度 50gn (或与√(10080) 中的较小值)和脉冲持续时间 11 毫秒的半正弦波冲击。每个电池或电池组须在三个互相垂直的电池安装方位的正方向经受三次冲击,接着在反方向经受三次冲击,总共经受 18 次冲击。 Requirement/标准要求: 1. Cells and batteries Mass loss limit: ≤0.2%. 样品质量损失≤0.2%. 2. Open circuit voltage not less than 90%, The requirement relating to voltage is not applicable to test cells and batteries at full discharged states. 样品试验后开路电压应不低于试验前开路电压的 90%,此要求不适用于完全放完电的电池						
(da 5) 美雅 7(da 5)	和电芯。 3.No leakage	, no venting, no	disassembly, r	no rupture and r			A) 5=
101	Result/测试组	吉果	美 爾	5	184 7 (d	z 5*	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sample No.		re test 试前	1975	r Test 试后	Mass loss	Residual OCV	Test result
样品编号	Mass 样品质量 (g)	Voltage 开路电压(V)	Mass 样品质量(g)	Voltage 开路电压(V)	质量损失(%)	剩余电压(%)	测试结果
1#	9.131	4.132	9.127	4.131	0.04	99.98	Р
2#	9.116	4.116	9.110	4.108	0.07	99.81	S P
3#	9.139	4.112	9.138	4.108	0.01	99.90	P、洲
4#	9.151	4.111	9.150	4.102	0.01	99.78	Р
5#	9.141	4.113	9.140	4.107	0.01	99.85	Р
6#	9.151	4.105	9.150	4.101	0.01	99.90	Р
7#	9.149	4.104	9.148	4.101	0.01	99.93	Р
8#	9.149	4.114	9.148	4.108	0.01	99.85	Р
9#	9.142	4.121	9.141	4.117	0.01	99.90	Р

Other supplements: Test result "P" decides that the test item passes.

4.112

9.141

4.108

0.01

99.90

Ρ

其他补充:测试结果"P"代表判定该测试项目通过。

9.142

10#

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38.3.4	Procedure/测试步骤	5# 天	M.	- MA	710x SV_
u do	Test 5: External short circ	uit/测试 5: 外部短路		Tian Su	
38.3.4.5	The cell or battery to be test temperature reaches 57±4℃ condition with a total externa condition is continued for at has returned to 57±4℃, the to be concluded. 保持试验环境温度稳定在57度下,将其正负极用小于0.5再持续1小时以上,对电芯	C and then the cell or bat al resistance of less than least one hour after the c cell or battery must be ob '±4℃,以使电芯或电池样 1 欧姆的线路短接,待电	ttery shall be subject 0.1 ohm at 57±4℃, ell or battery externa oserved for a further 品外表温度达到 57± 齿或电池的外表温度	ed to a short circuit This short circuit I case temperature six hour for the test 4℃, 然后, 在此温	人間 Tun Sip
	Requirement/标准要求: 1.Cells and batteries meet the 170℃; 电芯或电池的外壳温度应 2. No disassembly, no ruptu 试验后 6 小时内无解体、	不超过 170℃; ire and no fire during the	天湖 Tian Sa		天嘴
	Result 测试结果	天剛	VIII Jan Sir	大湖 Tian Su	Tur->
Sample No.	F. M. Transi	Max External Te 样品表面最高温度	•	天湖 天湖	Test result 测试结果
样品编号	人 學	打印水面水间温及			
1 #	F Vin	58.4	· · · · · · · · · · · · · · · · · · ·	7(2-5"	P
	7 VIII 7 VIII 7 VIII 7 VIII S	- 美潮	大洲	714 SH 2 1991 714 SH	P P
1#	Tian Su F	58.4	FM 7120 St 7120 S	71.00 St. 71.00 St.	•
1# 2#	Tian Su F.	58.4	天開 71.00 Sti 71.00 Sti	フィュロ 5世 フィュロ 5世 ス ス ス ス ス ス ス ス ス ス ス ス ス ス ス ス ス ス ス	Р
1# 2# 3#	Time Time Time Time State Stat	58.4 57.8 58.6	天開 7.cm 5 7.cm 5	71.00 5世 71.00 5世 第 第 第 第 第 第 第 第 第 第 7 (20 5世	P P
1# 2# 3# 4#	Tian Su Tian Su Tian Su Tian Su	58.4 57.8 58.6 59.3	天開 Tian St Tian St Tian St	フィューラッ フィュューラッ ス	P P
1# 2# 3# 4# 5#	Tian Su Tian Su Tian Su Tian Su Tian Su	58.4 57.8 58.6 59.3 59.6	天開 Tican St Tican St Tican St Tican St	フィュュ 5 ¹¹ フィュュ 5 ¹¹ チ	P P P
1# 2# 3# 4# 5# 6#	Tion Su	58.4 57.8 58.6 59.3 59.6 58.7	天湖 Tien St Tien St Tien St 天湖 Tien St	フィュル S [®] フィュル S [®] ス 解 フィュル S [®] ス 解 フィュル S [®]	P P P
1# 2# 3# 4# 5# 6# 7#	Tian Su	58.4 57.8 58.6 59.3 59.6 58.7 58.9	天湖 Tien St Tien St 天湖 Tien St 天湖	大学 フian Su Film Su	P P P P

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38.3.4	Procedure/测试步骤	71an 51-
天雅 Times	Test 6: Crush\Impact/ 测试 6: 挤压(适用) 撞击(不适用)	
	Crush 挤压	天棚 7mm Si
	A cell or component cell is to be crushed between two flat surfaces. The crushing is to be gradual with a speed of approximately 1.5 cm/s at the first point of contact. The crushing is to be continued until the first of the three options below is reached.	人 鄉
	(a) The applied force reaches 13kN±0.78kN;	Han
	(b) The voltage of the cell drops by at least 100 mV;	
	(c) The cell is deformed by 50% or more of its original thickness.	
	Once the maximum pressure has been obtained, the voltage drops by 100mV or more, or the cell is deformed by at least 50% of its original thickness, the pressure shall be released. 电池芯或组成电池芯在两个平面间挤压。挤压在第一个接触点以约 1.5cm/s 的速度慢慢进行,直到下面三个选项之一达到为止:	天) 7(a) S
	(a)作用力达到 13kN±0.78kN;	an III
	(b)电池芯电压降至少达到 100mV;	夫 游
	(c)电池厚度和最初比较变形至少 50%。	11 Kitchen
	一旦达到最大压力, 电压降超过 100 mV 或者电池芯变形超过 50%, 压力应该解除。	4
	Impact	A
	impact in the second of the s	
38.3.4.6	(applicable to cylindrical cells not less than 18mm in diameter)	P (ide
50.3.4.0	The sample cell or component cell is to be placed on a flat smooth surface. A 15.8 mm ±	- 10000
	0.1 mm diameter, at least 6 cm long, or the longest dimension of the cell, whichever is	
	greater, Type 316 stainless steel bar is to be placed across the centre of the sample. A 9.1	美 Mi
	kg \pm 0.1 kg mass is to be dropped from a height of 61 \pm 2.5 cm at the intersection of the bar	7.00
	and sample in a controlled manner using a near frictionless, vertical sliding track or channel with minimal drag on the falling mass. The vertical track or channel used to guide the falling	
	mass shall be oriented 90 degrees from the horizontal supporting surface.	M
	The test sample is to be impacted with its longitudinal axis parallel to the flat surface and	
	perpendicular to the longitudinal axis of the 15.8 mm ± 0.1 mm diameter curved surface	*
	lying across the centre of the test sample. Each sample is to be subjected to only a single	7680
	impact.	
	Cells and component cells meet this requirement if their external temperature does not exceed 170°C and there is no disassembly and no fire during the test and within six hours	美聞
	after this test.	71000
	(适用于直径不小于 18 毫米的圆柱形电池)将电池或元件电池样品平放在一个平面上,其纵轴	
	平行于测试台面年,将一直径为 15.8 mm ± 0.1 mm 的 316 型不锈钢棒横放在电池中心位置。	MA.
	然后,将一质量为 9.1 kg ± 0.1 kg 的物体从 61±2.5 cm 的高度落向样品。样品在进行试验时, 其外表温度应不超过 170℃。且试验结束后 6 个小时之内,样品应无解体、无起火现象发生。	.5*
		·
	Requirement/标准要求: 1.Cells and component cells meet this requirement if their external temperature does not	74
	exceed 170°C;	
	电芯的外壳温度应不超过 170℃;	美洲
	2. No disassembly, no fire during the test and within six hours after this test.	7 can Su



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A 714	Result 测试结果	天開 7(a) 5" 天開	K Will 71an Su
Sample No. 样品编号	OCV prior to test 试验前电压(V)	Max External Temp 样品表面最高温度(℃)	Test result 测试结果
11#	3.714	20.4 K Wh	P. W
12#	3.732	20.6 美順	Р
13#	3.741	21.4	Р
14#	3.726	20.8	Mian SH P
15#	3.734	20.4	Р
16#	3.746	20.6	P
17#	3.744	20.4 Tem 5	P
18#	3.745	20.5	Р
19#	3.748	20.6	P
20#	3.756	20.6 th	Р

Other supplements: Test result "P" decides that the test item passes.

其他补充:测试结果"P"代表判定该测试项目通过。



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38.3.4	Procedure/测试步骤	7104 SI
	Test 7: Overcharge/测试 7: 过度充电	
F. WA 71000 5 11 38.3.4.7	When the manufacturer's recommended charge voltage is not more than 18V, the minimum voltage of the test shall be the lesser of two times the maximum charge voltage of the or 22V, whichever is less. When the manufacturer's recommended charge voltage is more than 18V, the charging voltage of the test shall be 1.2 times maximum charge voltage. The charging current is 2 times of the maximum charging current recommended by the manufacturer. 如果厂家推荐的充电电压不超过 18V,本测试的最小充电电压应该是两倍的厂家标定最大充电电压或者是 22V,取其中较小者。如果厂家推荐的充电电压超过 18V,充电电压应该为 1.2倍的厂家标定最大充电电压。充电电流为厂家推荐的最大充电电流 2 倍。	N/A 不适用
	Requirements/标准要求: No disassembly and no fire during the test and within seven days after the test. 试验样品在试验中和试验后 7 天内,应无解体和无起火现象发生。	天inn Tian
	Result 测试结果	71011 511

其他补充:测试结果"N/A"代表不适用。

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38.3.4	Procedure/测试步骤		天剛		71an St
. 38	Test 8: Forced discharge/测	l试 8: 强制放电	L	r 州	6
7 MA 7 m S a 38.3.4.8	a 12V D.C power supply at a specified the manufacturer T a resistive load of the approp be forced discharged for a tir initial test current(in ampere) 在 20±5℃的环境温度下,将-	n initial current on the specified districted size and rate interval(in how the control of the	equal to the ma charge current i ating in series w ours) equal to its 12V 的直流电源	e by connecting it in series with ximum discharge current is to be obtained by connecting yith the test cell, Each cell shall is rated capacity divided by the 原上进行强制放电,此直流电源时间为额定容量除以初始电流。	美術 Trans
Fian Sil Fian Sil	Requirements/标准要求: No disassembly and no fire during the test and within seven days after the test. 试验样品在试验中和试验后 7 天内,应无解体和无起火现象发生。				
	Result 测试结果	N Tion:	54 天瀬 714858	天州 7ian Si	F. Will Tunisi
		22.415	20.	5	
Sample No.	OCV prior to test	Test result	Sample No.	OCV prior to test	Test result
样品编号	试验前电压(V)	测试结果	样品编号	试验前电压 (V)	测试结果
5- V	w/A	(dli			
样品编号	试验前电压(V)	测试结果	样品编号	试验前电压 (V)	测试结果
样品编号 21#	试验前电压 (V) 3.412	测试结果 P	样品编号 31#	试验前电压 (V) 3.409	测试结果 P
样品编号 21# 22#	试验前电压 (V) 3.412 3.411	测试结果 P P	样品编号 31# 32#	试验前电压 (V) 3.409 3.411	测试结果 P P
样品编号 21# 22# 23#	试验前电压 (V) 3.412 3.411 3.409	测试结果 P P	样品编号 31# 32# 33#	试验前电压 (V) 3.409 3.411 3.412	测试结果 P P P
样品编号 21# 22# 23# 24#	试验前电压 (V) 3.412 3.411 3.409 3.411	测试结果 P P P	样品编号 31# 32# 33# 34#	试验前电压 (V) 3.409 3.411 3.412 3.416	测试结果 P P P
样品编号 21# 22# 23# 24# 25#	试验前电压 (V) 3.412 3.411 3.409 3.411 3.411	测试结果 P P P P	样品编号 31# 32# 33# 34# 35#	试验前电压 (V) 3.409 3.411 3.412 3.416 3.415	测试结果 P P P
样品编号 21# 22# 23# 24# 25# 26#	试验前电压 (V) 3.412 3.411 3.409 3.411 3.411 3.412	测试结果 P P P P	样品编号 31# 32# 33# 34# 35# 36#	试验前电压 (V) 3.409 3.411 3.412 3.416 3.415 3.411	测试结果 P P P
样品编号 21# 22# 23# 24# 25# 26# 27#	试验前电压 (V) 3.412 3.411 3.409 3.411 3.411 3.412 3.411	测试结果 P P P P	样品编号 31# 32# 33# 34# 35# 36# 37#	试验前电压 (V) 3.409 3.411 3.412 3.416 3.415 3.411 3.412	测试结果 P P P P

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STATEMENTS

声明

- 1. The test report is invalid without the official stamp of Tiansu. 本报告无检测单位印章无效。
- 2. Nobody is allowed to photocopy or partly photocopy this test report without written permission of Tiansu.

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

本报告无批准人、审核人及鉴定人签名无效。

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