





中国认可 国际互认 检测 TESTING CNAS L5138

Rep.No.:TSZ22030333-P07-R01

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检测报告 UN38.3

ame o	f sample:	Solid-State Lithium-ion Battery Pack	
	产品名称:	固态锂离子电池组	Ý
Model/	/型号规格:	PL7874172-22.2V-16Ah	
	Client:	Beijing WeLion New Energy Technology Co.,Ltd.	
	委托单位:	北京卫蓝新能源科技有限公司	, i
Class	sification:	Commission Test	
	检测类别:	Mills	

Shenzhen Tiansu Calibration and Testing Co.,Ltd

深圳天溯计量检测股份有限公司

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

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UN38.3



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Rep. 14010222030333-1 07-101	1 age 27 To 1 ages
Name of samples: Solid-State Lithium-ion Battery Pack	Trade mark: -
样品名称: 固态锂离子电池组	商标: -
Commissioned by: Beijing WeLion New Energy Technology Co.,Ltd. 委托单位: 北京卫蓝新能源科技有限公司	Commissioner address: No. 1, West Qihang Street, Doudian Town, Fangshan District,Beijing 委托单位地址: 北京市房山区窦店镇启航西街 1 号
Manufacturer by: Jiangsu WeLion New Energy Battery Co.,Ltd. 制造单位: 江苏卫蓝新能源电池有限公司	Manufacturer address: NO.30 Hongchang Road, Zhongguancun Industrial Park,Liyang,Jiangsu Province, China. 制造单位地址: 江苏省溧阳市中关村产业园宏昌路 30 号
Manufacturer's Contact Information 制造商联系信息: Phone: 13951854956 Email: Imiao@solidstalelion.com	Manufacturer's Web Site 制造商网址:
Type/Model	Shape: prismatic
型号规格: PL7874172-22.2V-16Ah	样品形状: 棱柱形
Appearance color: Black	Sample size
样品颜色: 黑色	样品尺寸: L(195.0mm)*W(78.00mm)*H(52.00mm)
Rated info.	Cell quantity
额定信息: 22.2V/16Ah/355Wh	组成电芯数量: 6PCS
Quantity of sample: 30cells+16batteries	Cell model
样品数量: 30 个电芯+16 个电池	电芯型号: PL7874172-16Ah
Limited charge voltage	Cut-off voltage
充电限制电压: 25.2V	放电截止电压: 16.8V
Standard charge current	Max continuous charge current
标准充电电流: 8A	最大持续充电电流: 32A
Standard discharge current	Max continuous discharge current
标准放电电流: 8A	最大持续放电电流: 48A
Receiving date	Sample identification
接样日期: 2022/04/07	样品标识序号: C01#~C30#, B01#~B16#
Completing date	Test item: 8 items
完成日期: 2022/04/18	测试项目: 8 项
Test conclusion:	7 (a) - 7 (a) - 3 (b) - 3 (c)

Test conclusion:

检测结论:

The Solid-State Lithium-ion Battery Pack submitted by Beijing WeLion New Energy Technology Co.,Ltd are tested according to Section 38.3 of The Seventh Revised Edition of the United Nations Recommendations on the Transport of Dangerous Goods, Manual of Test and Criteria (ST/SG/AC.10/11/Rev.//Section38.3) The test results comply with the relevant requirements of the standard.

由北京卫蓝新能源科技有限公司送检的固态锂离子电池组,依据联合国《关于危险资物运输的建议书》试验,标准手册 第七修订版第 38.3 节进行检测,测试结果符合标准相关要求。

> Date of issue: Apr-20月222 发日期:2022.03-20

> > (01-03)

批准 Approved by

段江涛

审核 Reviewed by

邓兴勇

主检 Tested by

徐志龙

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Description and illustration of the sample:

样品说明及描述:

	Test item 测试项目	Sample No. 样品编号	天洲 State Tun 5 大流 大流 大流	Remark 备注
	T1.T5	B01#~B04#	at first cycle in fully charged states; 在第一个循环完全充电;	Battery
	T.1~T.5	B05#~B08#	after 25 cycles ending in fully charged states; 在第二十五个循环完全充电;	电池
4	天湖 Tian Su	C01#~C05#	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
8	T.6	C06#~C10#	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
	T.7	B09#~B12#	at first cycle in fully charged states; 在第一个循环完全充电;	Battery
チラ	7i 新A an Su	B13#~B16#	after 25 cycles ending in fully charged states; 在第二十五个循环完全充电;	电池
(8)	T.8	C11#~C20#	at first cycle in fully discharged states; 在第一个循环完全放电;	Cell
d	1.0	C21#~C30#	after 25 cycles ending in fully discharged states; 在第二十五个循环完全放电;	电芯

Descriptior	of the	sampling	procedure:
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取	样	程	序	的	说	眀	ŀ

Description of report revision:

报告修订的说明:

Remarks:

备注:

The Solid-State Lithium-ion Battery Pack submitted by Beijing WeLion New Energy Technology Co.,Ltd are small batteries.

由北京卫蓝新能源科技有限公司所送的固态锂离子电池组是小电池。

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Photos of Battery\电池图片





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Photos of Cell\电芯图片





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38.3.4	Procedure/测记	式步骤				7 7	ian 5#—		
- MA	Test 1: Altitude simulation/测试 1: 高度模拟 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。								
	Requirement/标准要求:								
	1.Cells and batteries Mass loss limit: ≤0.1% .								
38.3.4.1	样品质量损	失≤0.1%。				a MA	Su P		
30.0.1.1	· · · · · · · · · · · · · · · · · · ·	•	ss than 90%, Th I batteries at ful	•	relating to voltag	ge is not			
	1				要求不适用于完全	全放完电的电池。			
	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	天资	Tian	S*	天湖 7ian Si	1)****	美丽		
	例风 和 不	Tian -			# # P	6	7:0454		
Sample No.	Before		2000	r Test 7 m 5 m 试后	Mass loss	Residual OCV	Test		
Sample No. 样品编号	Before		2000		Mass loss 质量损失(%)	Residual OCV 剩余电压(%)	Test result 测试结身		
No.	Before 测记 Mass	代前 Voltage	测 i Mass	试后 Voltage		200	result		
No. 样品编号	Before 测记 Mass 样品质量 (kg)	大前 Voltage 开路电压(V)	测i Mass 样品质量(kg)	试后 Voltage 开路电压(V)	质量损失(%)	剩余电压(%)	result 测试结与		
No. 样品编号 B01#	Before 测记 Mass 样品质量 (kg) 1.492	Voltage 开路电压(V) 25.108	测 Mass 样品质量(kg) 1.492	式后 Voltage 开路电压(V) 25.088	质量损失(%) 0.00	剩余电压(%)	result 测试结归 P		
No. 样品编号 B01# B02#	Before 测记 Mass 样品质量 (kg) 1.492 1.491	Voltage 开路电压(V) 25.108 25.087	Mass 样品质量(kg) 1.492 1.491	以后 Voltage 开路电压(V) 25.088 25.079	质量损失(%) 0.00 0.00	剩余电压(%) 99.92 99.97	result 测试结! P		
No. 样品编号 B01# B02# B03#	Before 测记 Mass 样品质量 (kg) 1.492 1.491	Voltage 开路电压(V) 25.108 25.087 25.131	Mass 样品质量(kg) 1.492 1.491 1.498	以后 Voltage 开路电压(V) 25.088 25.079 25.118	质量损失(%) 0.00 0.00 0.00	剩余电压(%) 99.92 99.97 99.95	result 测试结归 P P		
No. 样品编号 B01# B02# B03# B04#	Before 测记 Mass 样品质量 (kg) 1.492 1.491 1.498	Voltage 开路电压(V) 25.108 25.087 25.131 25.122	Mass 样品质量(kg) 1.492 1.491 1.498 1.496	以后 Voltage 开路电压(V) 25.088 25.079 25.118 25.109	质量损失(%) 0.00 0.00 0.00 0.07	剩余电压(%) 99.92 99.97 99.95 99.95	P P P		
No. 样品编号 B01# B02# B03# B04# B05#	Before 测记 Mass 样品质量 (kg) 1.492 1.491 1.498 1.497	Voltage 开路电压(V) 25.108 25.087 25.131 25.122 25.127	Mass 样品质量(kg) 1.492 1.491 1.498 1.496 1.495	以后 Voltage 开路电压(V) 25.088 25.079 25.118 25.109	质量损失(%) 0.00 0.00 0.00 0.07	剩余电压(%) 99.92 99.97 99.95 99.95	P P P		

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

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38.3.4	Procedure/测	试步骤					ian S"—
, u	Test 2: Thern	nal test/测试 2	: 温度测试	quas Sii	784A	7ian Su	£
	72±2℃, follow The maximum procedure is t batteries are t 将电芯和电池 贮存不少于 6	wed by storage in time interval by o be repeated to be stored for 在温度为 72±2 个小时,两个数	for at least six between test te until 10 total cy 24 hours at an ℃的条件下贮存	nours at a test mperature extre cles are comple bient temperat 不少于 6 个小时 长为 30min,重约	temperature equemes in 30 minu ete, after which a ture (20±5℃). 时,然后,在温力	tes, This	天湖 Tian Si Tian Si
38.3.4.2	样品质量损 2.Open circuit applicable t 样品试验后和电芯。 3.No leakage	atteries Mass lo 失≤0.1%. t voltage not le o test cells and 开路电压应不位	d batteries at ful 低于试验前开路 o disassembly, r	ne requirement I discharged st 电压的 90%,此 no rupture and	要求不适用于完	全放完电的电池	P Finan Su Tran Su Tran Su
	Result 测试结果	天渊 7ian 5"		天湖	7ian 5"	湖 Tian	ħ Su
Sample No.	2.5	e Test 式前	After 测证	Test 式后	Mass loss	Residual OCV	Test result
样品编号	Mass 样品质量 (kg)	Voltage 开路电压(V)	Mass 样品质量(kg)	Voltage 开路电压(V)	质量损失(%)	剩余电压(%)	测试结果
B01#	1.492	25.088	1.491	24.968	0.07	99.52	Р
B02#	1.491	25.079	1.490	24.956	0.07	99.51	Р
15.35	1.498	25.118	1.497	25.007	0.07	99.56	Р
B03#	1.100		110000 120000				
B03# B04#	1.496	25.109	1.495	25.001	0.07	99.57	P
9	71011 51	25.109 25.109	1.495 1.494	25.001	0.07	99.57 99.49	P P
B04#	1.496	£ 100	- 2	3/A	11a# 5"		
B04#	1.496 1.495	25.109	1.494	24.981	0.07	99.49	P

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

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38.3.4	Procedure/测	试步骤					ian Su—		
300	Test 3: Vibra	tion/测试 3: 拔	动文湖	Mich 2"	- *A	7 tan Su			
	distorting the be a sinusoid Hz traversed	cells in such a al wave form w in 15 minutes,	manner as to fa ith a logarithmic This cycle shall	aithfully transmi c sweep betwee be repeated 12	en 7 Hz and 200 2 times for a tota	he vibration shall Hz and back to 7	天 湖 Tian S		
	each of three mutually perpendicular mounting position of the cell. 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:	gian Su	0	F. Villa Tim 5"	天衛	Р		
19-90	1.Cells and batteries Mass loss limit: ≤0.1%. 样品质量损失≤0.1%.								
	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。								
	1000	•		no rupture and i					
	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								
Sample No.		Before Test 测试前		After Test 测试后		Residual OCV	Test result		
样品编号	Mass 样品质量 (kg)	Voltage 开路电压(V)	Mass 样品质量(kg)	Voltage 开路电压(V)	质量损失(%)	剩余电压(%)	测试结果		
B01#	1.491	24.968	1.491	24.941	0.00	99.89	Р		
B02#	1.490	24.956	1.489	24.944	0.07	99.95	Р		
B03#	1.497	25.007	1.497	24.992	0.00	99.94	Р		
B04#	1.495	25.001	1.495	24.981	0.00	99.92	Р		

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

24.981

24.959

24.951

24.952

1.494

1.491

1.492

1.488

24.971

24.947

24.934

24.935

0.00

0.00

0.00

0.00

99.96

99.95

99.93

99.93

P

Ρ

Ρ

Ρ

其他补充:测试结果"P"代表判定该测试项目通过。

1.494

1.491

1.492

1.488

B05#

B06#

B07#

B08#

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38.3.4	Procedure/测	试步骤	l u	天潮。	7ian Su	NIG O	ian Su —
***	Test 4: Shoc	k/测试 4:冲击	天淵。	7 (at 2"	. ×2A	* Tian Su	ž
	to a half-sine smaller) and subjected to a smaller) and three shocks	shock of peak pulse duration of peak a half-sine of peopulse duration of the positive of the peak pulse of the peak pu	acceleration of of 6 millisecond eak acceleration of 11 millisecon direction followe	150gn (or Acce ls, large cells ar n of 50gn (or Ac ds. Each cell or ed by three sho	eleration(gn)= \(\sum_{0}^{\text{in}} \) and large batteries celeration(gn)= battery shall be cks in the negative	s shall be $\sqrt{\frac{30000}{mass}}$, which is subjected to	美潮 Tian Su 潮
38.3.4.4	(或与√(100850) 须经受最大加 每个电池或电	中的较小值) 的 速度 50gn (或	5 半 <u>正弦</u> 的加速 b 与 $\sqrt{\frac{30000}{muss}}$ 中的较 互相垂直的电池	度撞击,脉冲持线 小值)和脉冲持	续 6 毫秒,大型电 f续时间 11 毫秒的	也以峰值为 150gn 已池和大型电池组 约半正弦波冲击。 ,接着在反方向经	Р
	样品质量损 2.Open circui applicable 样品试验后 和电芯。 3.No leakage	atteries Mass lo 失≤0.1%. t voltage not le to test cells and 开路电压应不位 , no venting, no	d batteries at fu 低于试验前开路 o disassembly,	he requirement Il discharged sta 电压的 90%,此 no rupture and i	要求不适用于完全	全放完电的电池	天啊 Tian S 天爛 Tian S ^a
	Result/测试组	 5果	天湖.	7,500 2"		M18	美 Y
Sample No.		re Test 式前	25	r Test 试后	Mass loss	Residual OCV	Test result
样品编号	Mass 样品质量 (kg)	Voltage 开路电压(V)	Mass 样品质量(kg)	Voltage 开路电压(V)	质量损失(%)	剩余电压(%)	测试结果
B01#	1.491	24.941	1.491	24.919	0.00	99.91	Р
B02#	1.489	24.944	1.489	24.932	0.00	99.95	Р
B03#	1.497	24.992	1.497	24.967	0.00	99.90	P
B04#	1.495	24.981	1.495	24.966	0.00	99.94	Р
B05#	1.494	24.971	1.494	24.944	0.00	99.89	Р
B06#	1.491	24.947	1.491	24.930	0.00	99.93	Р
(30)	The state of the s	P.107	12 (1)				

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

24.934

24.935

1.492

1.488

24.919

24.910

0.00

0.00

99.94

99.90

Ρ

Ρ

其他补充:测试结果"P"代表判定该测试项目通过。

1.492

1.488

B07#

B08#

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38.3.4	Procedure/测试步骤	ian Su—
-4a	Test 5: External short circuit/测试 5: 外部短路	3
7 Jun 54 7 Jun 54 7 Jun 54 38.3.4.5	The cell or battery to be tested shall be temperature stabilized so that its external case temperature reaches 57±4℃ and then the cell or battery shall be subjected to a short circuit condition with a total external resistance of less than 0.1 ohm at 57±4℃, This short circuit condition is continued for at least one hour after the cell or battery external case temperature has returned to 57±4℃, the cell or battery must be observed for a further six hour for the test to be concluded. R持试验环境温度稳定在 57±4℃,以使电芯或电池样品外表温度达到 57±4℃,然后,在此温度下,将其正负极用小于 0.1 欧姆的线路短接,待电芯或电池的外表温度恢复到 57±4℃之后再持续 1小时以上,对电芯或电池必须进一步观察 6 个小时才能下结论。	神 Tian Su Ian Su P
	Requirement/标准要求:	
	 1.Cells and batteries meet this requirement if their external temperature does not exceed 170℃; 电芯或电池的外壳温度应不超过 170℃; 2. No disassembly, no rupture and no fire during the test and within six hours after this test. 试验后 6 小时内无解体、无破裂、无起火。 	天湖 Tean Su
	Trans-	Trans S"
(i	Result 测试结果 ST The state of	4
Sample No. 样品编号		Test result 测试结果
No.	测试结果 Max External Temp	result
No. 样品编号	测试结果 Max External Temp 样品表面最高温度(℃)	result 测试结界
No. 样品编号 B01#	测试结果 Max External Temp 样品表面最高温度(℃) 57.3	result 测试结身 P
No. 样品编号 B01# B02#	测试结果 Max External Temp 样品表面最高温度(℃) 57.3	result 测试结身 P
No. 样品编号 B01# B02# B03#	测试结果 Max External Temp 样品表面最高温度(℃) 57.3 57.8 58.0	result 测试结身 P P
No. 样品编号 B01# B02# B03# B04#	测试结果 Max External Temp 样品表面最高温度(℃) 57.3 57.8 58.0 58.3	P P P
No. 样品编号 B01# B02# B03# B04# B05#	测试结果 Max External Temp 样品表面最高温度(℃) 57.3 57.8 58.0 74.5 58.3 58.3	P P P

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38.3.4	Procedure/测试步骤	ian Su—
天湖 Tian Su	Test 6: Crush\Impact/ 测试 6: 挤压(适用) 撞击(不适用)	¥7
	Crush 挤压	夫爾 Tian Su
	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.	洲。
	(a) The applied force reaches 13kN±0.78kN;	VAID TO
	(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	美湖 7ian Si
	行,直到下面三个选项之一达到为止:	
	(a)作用力达到 13kN±0.78kN;	支侧
	(b)电池芯电压降至少达到 100mV;	7 ian 54
	(c)电池厚度和最初比较变形至少 50%。	
	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。	A .
	Impact Time Si	d
	撞击机	K.V
88.3.4.6	(applicable to cylindrical cells not less than 18mm in diameter)	Р
	The sample cell or component cell is to be placed on a flat smooth surface. A 15.8 mm ± 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 kg ± 0.1 kg mass is to be dropped from a height of 61 ± 2.5 cm at the intersection of the bar 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.	天淵 7tan Su A Su
	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 impact.	天 V Tian
	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 after this test.	天淵 7ian Su
	(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。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。	A 5°
	Requirement/标准要求:	710
	1.Cells and component cells meet this requirement if their external temperature does not	
	exceed 170°C;	ylo 9
	电芯的外壳温度应不超过 170℃;	\$ \\ \(\)
	2. No disassembly, no fire during the test and within six hours after this test.	5.0



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o giar u	Result 测试结果	天湖 大湖 Tean Su 天湖	夫 MA Tian 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
C01#	3.825	24.7 Fine Su	P in
C02#	3.839 Jun 54	7 M 24.8	P P
C03#	3.827 7ian S	25.1	Р
C04#	3.824	24.5	Tian Su P
C05#	7 ian 5 u 3.837	25.2	Р
C06#	3.832	24.7	S P
C07#	3.841 A MA	24.8	P M
C08#	3.842	24.8	Р
C09#	3.842	24.6	P
C10#	3.832	24.8 £ M	Р

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

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38.3.4	Procedure/测试步骤 Test 7: Overcharge/测试 7: 过度充电	1200	
天湖 7:an Su \$38.3.4.7 天湖 7:an Su	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。		
	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。		
	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。	z M	
天 VIII Tian Su 下 Ti	1 o 7ian 5" R VIII o 7ian 5"	z 详 Tian Su	
Sample No. 样品编号	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	Test result 测试结果	
mian >"	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 OCV prior to test		
样品编号	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 OCV prior to test 试验前电压 (V)	测试结果	
样品编号 B09#	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 OCV prior to test 试验前电压 (V) 25.093	测试结果	
样品编号 B09# B10#	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 OCV prior to test 试验前电压 (V) 25.093	测试结果 P P	
样品编号 B09# B10# B11#	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 OCV prior to test 试验前电压 (V) 25.093 25.120 25.126	测试结果 P P	
样品编号 B09# B10# B11# B12#	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 OCV prior to test 试验前电压 (V) 25.093 25.120 25.126 25.094	测试结果 P P P	
样品编号 B09# B10# B11# B12# B13#	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。 OCV prior to test 试验前电压 (V) 25.093 25.120 25.126 25.094 25.121	测试结果 P P P	

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	Procedure/测试步骤	加斗。四角壮士	710H 5"	大概	16000
天湖。 天湖。Su 7ian Su 38.3.4.8 天湖。	Each cell shall be forced discharged at ambient temperature by connecting it in series with a 12V D.C power supply at an initial current equal to the maximum discharge current specified the manufacturer The specified discharge current is to be obtained by connecting a resistive load of the appropriate size and rating in series with the test cell, Each cell shall be forced discharged for a time interval(in hours) equal to its rated capacity divided by the initial test current(in ampere). 在 20±5℃的环境温度下,将单个电芯连接在 12V 的直流电源上进行强制放电,此直流电源提供每个电芯初始电流为制造厂指定的最大放电电流,放电时间为额定容量除以初始电流。 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				
Sample No. 样品编号	OCV prior to test 试验前电压(V)	Test result 测试结果	Sample No. 样品编号	OCV prior to test 试验前电压(V)	Test result测试结果
C11#	3.341	Р	C21#	3.302	Р
C12#	3.348	7100 5 ¹⁰ P	C22#	3.304	P
C13#	3.337	P 71.00	C23#	3.345	Р
04411	3.345	Р	C24#	3.312	Tian P
C14#				71an 5"	Р
C14#	3.310	Р	C25#	3.337	F
50	3.310 3.337	P P	C25#	3.337	P P
C15#	* (1)	Town Services		7100 5	- 111
C15#	3.337	P	C26#	3.328	S. P
C15# C16# C17#	3.337 700 50	P Fine St P	C26# C27#	3.328 3.324	an Su 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. This report shall not be copied partly without the written approval of Shenzhen Tiansu Calibration and Testing Co.,Ltd.

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- 5. Objections to the test report must be submitted to Tiansu within 15 days. 对检测报告若有异议,应于收到报告之日起十五天内向检测单位提出。
- 6. The test report is valid for the tested samples only. 本报告仅与送检样品有关。

