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检测报告 UN38.3

Name of sample:	Lithium-ion battery Pack
产品名称:	建离子电池组
Model/型号规格:	LFPWall-5000
Client:	Anhui LEAD-WIN New Energy Technology Co., Ltd
委托单位:	安徽领域新能源科技有限公司
Classification:	Commission Test
检测类别:	それ 委托测试 大 消 を が

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. No.:15Z22U8UU94-PU2-RU1	Page 2 / 16 Pages
Name of samples: Lithium-ion battery Pack	Trade mark: -
样品名称: 锂离子电池组	商标: -
Commissioned by: Anhui LEAD-WIN New Energy Technology Co., Ltd 委托单位: 安徽领域新能源科技有限公司	Commissioner address: No.8-5 Shushan International Business Association, Liando U Valley, No.1499 Zhenxing Road, Shushan District, Hefei City,Anhui Province, China 230061 委托单位地址: 中国安徽省合肥市蜀山区振兴路 1499 号联东 U 谷蜀山国际企业港 8-5 号 230061
Manufacturer by: Eyacht Energy.,LTD. 制造单位: 合肥华宇智航动力能源有限公司	Manufacturer address: Yinrui Technology Park,Chuangxin Avenue,High-tech District,Hefei,Anhui Province 制造单位地址: 安徽省合肥市高新区创新大道银瑞科技园
Manufacturer's Contact Information	Manufacturer's Web Site
制造商联系信息:	制造商网址:
Phone:13666547866 Email:214528311@qq.com	https://huayusmart.en.alibaba.com/
Type/Model	Shape:Prismatic
型号规格:LFPWall-5000	样品形状:棱柱形
Appearance color: White	Sample size
样品颜色:白色	样品尺寸: L(536.3mm)*W(464.0mm)*H(180.5mm)
Rated info.	Cell quantity
额定信息: 51.2V/100Ah/5.12kWh	组成电芯数量:16PCS
Quantity of sample: 30cells+18batteries	Cell model
样品数量:30 个电芯+18 个电池	电芯型号:IFP50160116A-102Ah
Limited charge voltage	Cut-off voltage
充电限制电压: 58.4V	放电截止电压:43.2V
Standard charge current	Max continuous charge current
标准充电电流:100A	最大持续充电电流:100A
Standard discharge current	Max continuous discharge current
标准放电电流:100A	最大持续放电电流:100A
Receiving date	Sample identification
接样日期: 2022.03.15	样品标识序号: C01#~C30#, B01#~B08#
Completing date	Test item: 8 items
完成日期: 2022.03.24	测试项目: 8 项
	2 30

Test conclusion:

检测结论:

The Lithium-ion battery Pack submitted by Anhui LEAD-WIN 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.7/Section38.3). The test results comply with the relevant requirements of the standard.

由安徽领域新能源科技有限公司送检的锂离子电池组,依据联合国《关于危险货物运输的建议 南章试验和标准手册》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: Sept. 21,2022 签发日期: 2022 po.z1

批准 Approved by 段江海

审核 Reviewed by

邱伟超

主检 Tested by 徐志龙

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Description and illustration of the sample:

样品说明及描述:

上四儿外及油灰	•	ta	
Test item 测试项目	Sample No. 样品编号	State 状态	Remark 备注
T.1~T.5	B01#~B02#	at first cycle in fully charged states; 在第一个循环完全充电;	Battery
1.1~1.5 F. VAR 71an Su	B03#~B04#	after 25 cycles ending in fully charged states; 在第二十五个循环完全充电;	电池
	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
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	B05#~B06#	at first cycle in fully charged states; 在第一个循环完全充电;	Battery
1.7 美潮	B07#~B08#	after 25 cycles ending in fully charged states; 在第二十五个循环完全充电;	电池
T.8	C11#~C20#	at first cycle in fully discharged states; 在第一个循环完全放电;	Cell
T.O Min Min Su	C21#~C30#	after 25 cycles ending in fully discharged states; 在第二十五个循环完全放电;	电芯

Description of the sampling procedure:

取样程序的说明:

/

Description of report revision:

报告修订的说明:

The report data is quoted from TSZ22030171-P04-R01, This sample and original report TSZ22030171-P04-R01 sample is the same sample, Only the applicant is different.

该报告数据引用于报告 TSZ22030171-P04-R01, 此样品和原报告 TSZ22030171-P04-R01 样品为同一样品,仅申请商不同

Remarks:

备注:

The Lithium-ion battery Pack by Anhui LEAD-WIN New Energy Technology Co., Ltd are large batteries.

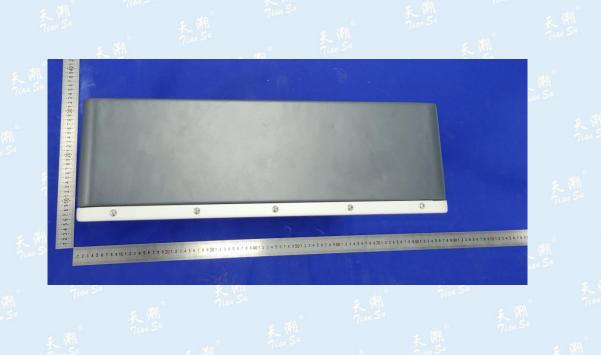
由安徽领域新能源科技有限公司所送的锂离子电池组是大电池。



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Photos of Battery\电池图片







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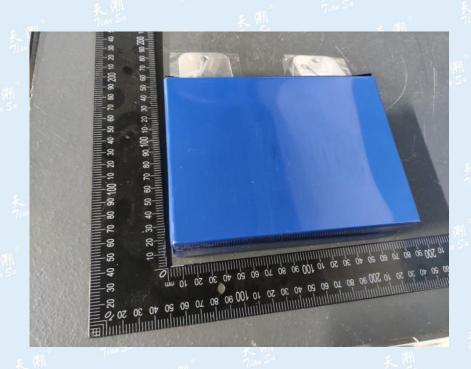


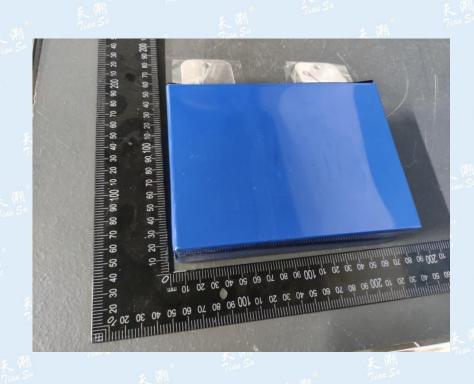




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Photos of Cell\电芯图片





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38.3.4	Procedure/测记	式步骤				天 豐	_
天湖。	Test 1: Altitud	le simulation/	测试 1: 高度模	拟	天湖	·····································	
	at ambient tem	nperature (20°	C ±5℃) .		6kPa or less for a Pa 的环境中贮存	at least six hour 不少于 6 个小时。	
	Requirement/	示准要求:	天 iii	A Su	· M	7ian Su	
20.044	1.Cells and ba 样品质量损		oss limit: ≤0.1%	美潮		天 潮	⁵ P
38.3.4.1	applicable to	test cells and	batteries at ful	l discharged sta	relating to voltag ates. 要求不适用于完全	美 (W) 7/1/1/5	
	1756	,	2844	7,200 10,200	211271173		
	和电芯。 3.No leakage,	no venting, no	disassembly, r	no rupture and i		54 天潮。	天讲 Tian S
	和电芯。 3.No leakage,	no venting, no	disassembly, r	no rupture and i	no fire.	54 天潮。	天衛 Tian S 天衛 Tian Su
Sample	和电芯。 3.No leakage, 样品(电池) Result	no venting, no 应无漏液、无	disassembly, r t排气、无解体、	no rupture and i	no fire.	54 天潮。	Test result
Sample No. 样品编号	和电芯。 3.No leakage,样品(电池) Result 测试结果 Before	no venting, no 应无漏液、无	disassembly, r t排气、无解体、	no rupture and u 无破裂以及无	no fire. 着火现象的发生。	美洲 Tian Su Tian Su	Test result 测试结果
No.	和电芯。 3.No leakage, 样品(电池) Result 测试结果 Before 测试 Mass	no venting, no 应无漏液、无 e Test .前 Voltage	disassembly, r 上排气、无解体、 After 测i	no rupture and i 无破裂以及无 r Test 式后 Voltage	no fire. 着火现象的发生。 Mass loss	Tim St. Residual OCV	result
No. 样品编号	和电芯。 3.No leakage, 样品(电池) Result 测试结果 Before 测试 Mass 样品质量 (kg)	no venting, no 应无漏液、无 e Test 认前 Voltage 开路电压(V)	disassembly, r 上排气、无解体、 After 测i Mass 样品质量(kg)	no rupture and i 无破裂以及无 r Test 式后 Voltage 开路电压(V)	no fire. 着火现象的发生。 Mass loss 质量损失(%)	Residual OCV 剩余电压(%)	result 测试结身
No. 样品编号 B01#	和电芯。 3.No leakage, 样品(电池) Result 测试结果 Before 测试 Mass 样品质量 (kg) 49.27	no venting, no 应无漏液、无 e Test 前 Voltage 开路电压(V) 54.656	After Mass 样品质量(kg) 49.27	no rupture and i 无破裂以及无 r Test 式后 Voltage 开路电压(V) 54.629	mo fire. 着火现象的发生。 Mass loss 质量损失(%)	Residual OCV 剩余电压(%)	result 测试结身 P

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

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38.3.4	Procedure/测	试步骤					_
天湖	Test 2: Therr	mal test/测试 2	: 温度测试		天徽	-71 an 2"	* 7
	72℃±2℃, foll ±2℃, The ma procedure is t batteries are t 将电芯和电池 件下贮存不少	lowed by storag iximum time into to be repeated to be stored for 在温度为 72℃ 于6个小时,两	ge for at least s erval between t until 10 total cy 24 hours at an ±2℃的条件下贮 1个温度间的间隙	ix hours at a terest temperature cles are completed in bient temperated are completed for the complete for	st temperature e e extremes in 30 ete, after which a ture (20℃±5℃). 小时,然后,在这) minutes, This	天 湖 Tian Su 湖 Ian Su
	Requirement/	- 0	±5℃的条件下放		- MA 	· Year	Р
38.3.4.2	•	atteries Mass lo	oss limit: ≤0.1%	天湖 7ian Su			毛衛
	applicable t	to test cells and	l batteries at ful	l discharged st	relating to volta ates. 要求不适用于完	Jian Su	天湖 Tian Su
	3.No leakage		o disassembly, r E排气、无解体	•	no fire. :着火现象的发生	天湖 7ian 5u	
20 Jean	Result 测试结果	7ian Su	长 鄉	天训 Tian Su	天 7i	MA an Su	or K∛
Sample No.		e Test 式前		· 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#	49.27	54.629	49.27	54.334	0.00	99.46	Р
B02#	49.23	55.578	49.23	55.245	0.00	99.40	S P
B03#	49.23	55.484	49.23	55.129	0.00	99.36	Р
1 (1)	49.27	55.589	49.27	55.211	0.00	99.32	Р

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

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38.3.4	Procedure/	训试步骤					_
天湖。	Test 3: Vibra	ition/测试 3:振	动 710154	122	毛 潮	-71an -7" - 281	
	distorting the be a sinusoid Hz traversed each of three 将电芯和电池 加至 200Hz,	cells in such a lal wave form wi in 15 minutes, mutually perpe 平固地安装在概	manner as to fa th a logarithmic This cycle shall ndicular mount 表动台的台面上。 到 7Hz 为一个循	aithfully transmit c sweep betwee be repeated 12 ing position of t , 然后开始振动 环, 一个循环模	n 7 Hz and 200 l 2 times for a tota	ne vibration shall Hz and back to 7 I of 3 hours for 形式,以 7Hz 增	天湖 Tian St C湖 Can St
38.3.4.3	Requirement	/标准要求:	of consequence	z WA	Tian S.	- 71am 5	Р
2 M	- S (atteries Mass Io 损失≤0.1%.	oss limit: ≤0.1%	Tian Su			天) Tian S
	1	it voltage not les to test cells and		K.J.A.	relating to voltag	ge is not	
	样品试验后 和电芯。	5开路电压应不值	五于试验前开路	电压的 90%,此	要求不适用于完全	全放完电的电池	天 Mil Tean Su
		e, no venting, no 4)应无漏液、无	1100 -	•	no fire. 着火现象的发生。	7ian 5th 天道	©
	Result 测试结果	7,24 3"	美願 Tian Su	7ian Su	天 7ia	VAN 5*	天 V Tian
Sample No.		re Test 试前	15	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#	49.27	54.334	49.27	54.312	0.00	99.96	Р
B02#	49.23	55.245	49.23	55.245	0.00	100.00	Р
B03#	49.23	55.129	49.23	55.101	0.00	99.95	Pian
		1000 12/45		- A - A		- C161	

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

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	Procedure/测	试步骤					_
天概	Test 4: Shock	(/测试 4: 冲击	ian Su		天湖	Filan 5".	1
	to a half-sine s smaller) and p subjected to a smaller) and p three shocks i three mutually 以稳固的托架 (或与√(10850)	shock of peak a pulse duration of half-sine of pe bulse duration of n the positive of perpendicular 固定住每个电芯 中的较小值)的	acceleration of of 6 milliseconds at acceleration of 11 millisecond direction follower mounting posits 和电池样品的4半正弦的加速度	150g _n (or Accel s, large cells an of 50g _n (or Acc ds. Each cell or d by three shootions of the cell of 全部配件表面。 专撞击,脉冲持续	eration(gn)= Vind large batteries celeration(gn)= vind battery shall be cks in the negation battery for a total or battery for a total or battery so a total or battery so a total or battery for a total or	shall be (miss), which is subjected to be direction of that of 18 shocks. 也以峰值为 150gn (mark) 和大型电池组	天朔 7ian Si ian Su
38.3.4.4	每个电池或电	池组须在三个互总共经受 18 次	相垂直的电池等			接着在反方向经	夫 湖 Tian S
	1.Cells and ba 样品质量损	atteries Mass lo 失≤0.1%.	oss limit: ≤0.1%		天 湖 Tian Su	qian S ^u	天潮
	2.Open circuit	voltage not les	ss than 90%. Th	a regulirement	relating to voltage		
	50/	o test cells and	batteries at ful	l discharged sta			Tine -
	样品试验后 和电芯。 3.No leakage,	o test cells and 开路电压应不作 no venting, no	batteries at ful 氐于试验前开路 disassembly, r	l discharged sta 电压的 90%,此 no rupture and r	ates. 要求不适用于完全	è放完电的电池 2	o V
** ** ** ** *** ***	样品试验后 和电芯。 3.No leakage,	o test cells and 开路电压应不作 no venting, no)应无漏液、无	batteries at ful 氐于试验前开路 disassembly, r	l discharged sta 电压的 90%,此 no rupture and r	ates. 要求不适用于完全 no fire.	è放完电的电池 2	Tian -
Sample	样品试验后 和电芯。 3.No leakage, 样品(电池	o test cells and 开路电压应不作 no venting, no)应无漏液、无 果 e Test	batteries at ful 纸于试验前开路 disassembly, r 排气、无解体、	l discharged sta 电压的 90%,此 no rupture and r	ates. 要求不适用于完全 no fire.	è放完电的电池 2	Test
Sample No. 样品编号	样品试验后和电芯。 3.No leakage,样品(电池 Result/测试结	o test cells and 开路电压应不作 no venting, no)应无漏液、无 果 e Test	batteries at ful 纸于试验前开路 disassembly, r 排气、无解体、	I discharged sta 电压的 90%,此 no rupture and r 无破裂以及无	ates. 要求不适用于完全 no fire. 着火现象的发生。	≥放完电的电池 7/m/5	result
No.	样品试验后和电芯。 3.No leakage,样品(电池 Result/测试结 Before 测证	o test cells and 开路电压应不作 no venting, no)应无漏液、无 课 e Test 式前	batteries at ful 纸于试验前开路 disassembly, r 排气、无解体、 After Mass	I discharged sta 电压的 90%,此 no rupture and r 无破裂以及无 Test 式后 Voltage	ates. 要求不适用于完全 no fire. 着火现象的发生。 Mass loss	於完电的电池 Residual OCV	result
No. 样品编号	样品试验后和电芯。 3.No leakage,样品(电池 Result/测试结 Before 测证 Mass 样品质量(kg)	o test cells and 开路电压应不作 no venting, no)应无漏液、无 果 e Test 式前 Voltage 开路电压(V)	batteries at ful 纸于试验前开路 disassembly, r 排气、无解体、 After 测证 Mass 样品质量(kg)	I discharged sta 电压的 90%,此 no rupture and r 无破裂以及无 Test 式后 Voltage 开路电压(V)	ates. 要求不适用于完全 no fire. 着火现象的发生。 Mass loss 质量损失(%)	Residual OCV 剩余电压(%)	result 测试结果
No. 样品编号 B01#	样品试验后和电芯。 3.No leakage,样品(电池Result/测试结Before 测话Mass样品质量(kg) 49.27	o test cells and 开路电压应不作 no venting, no)应无漏液、无 果 e Test 式前 Voltage 开路电压(V) 54.312	batteries at ful 纸于试验前开路 disassembly, r 批特气、无解体、 After 测i Mass 样品质量(kg) 49.27	I discharged sta 电压的 90%,此 no rupture and r 无破裂以及无 Test 式后 Voltage 开路电压(V) 54.285	mass loss 质量损失(%)	Residual OCV 剩余电压(%)	result 测试结果 P

 $\begin{tabular}{ll} \textbf{Other supplements} & : & Test result "P" decides that the test item passes. \\ \end{tabular}$

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38.3.4	Procedure/测试步骤	-
天湖	Test 5: External short circuit/测试 5: 外部短路	a F
	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. 保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℃	ian Su
38.3.4.5	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。	· 种
	Requirement/标准要求:	5
	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℃;	天湖 Tian So
	2. No disassembly, no rupture and no fire during the test and within six hours after this test.	支術
	试验后6小时内无解体、无破裂、无起火。	7ian Su
·" 天逝	Result 测试结果	
Sample No. 样品编号	Max External Temp 样品表面最高温度(℃)	Test result 测试结果
B01#	58.2 58.2	Р
B02#	7 57.2 5 MA 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P
B03#	58.4 Tun 500 X 199	Р

Rep.	No.:T	SZ2208	30094-F	202-R01

38.3.4	Procedure/测试步骤	_
2 渊	Test 6: Crush\Impact/	
	测试 6: 挤压(适用)	
	撞击(不适用)	- 12
	Crush 挤压 系	Jian S
	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.	ian Su
	(a) The applied force reaches 13kN±0.78kN;	5
	(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.	F. Francisco
	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:	2 WA
	(a)作用力达到 13kN±0.78kN;	Jian Su
	(b)电池芯电压降至少达到 100mV;	
	(c)电池厚度和最初比较变形至少 50%。	6
	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。	u u
	Impact 撞击	F. Tian
	(applicable to cylindrical cells not less than 18mm in diameter)	
88.3.4.6	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 61cm ± 2.5 cm at the intersection of the bar and sample in a controlled manner using a near frictionless, vertical sliding track or	P 天湖 7ian Su
	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.	S#
	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.	F. Tia
	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.	天湖 7100 50
	(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。	14 . 5"
	然后,将一质量为 9.1 kg ± 0.1 kg 的物体从 61cm±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。	\$ ₇
	Requirement/标准要求:	6
	1.Cells and component cells meet this requirement if their external temperature does not exceed 170℃;	天湖 Tian Su
	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.	(6)
	2. No disassembly, no line during the test and within six nodis after this test. 试验后 6 小时内无解体 无起火.	WA.

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u.	Result 测试结果	天開 Tian Su Fian Su	7ion >11 F
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#	3.282 KM	23.1	P-VA Pian Su
C02#	3.245	24.5 24.5 Tun Su	Р
C03#	3.245	23.1	ŀ. P
C04#	3.256	23.5 Jun Su	Р
C05#	3.246	24.7	Р
C06#	3.247	24.7	Р
C07#	3.254	24.8	P ^{ian Su}
C08#	3.262	23.9	Р
C09#	3.265	24.8	7im P
C10#	3.242 £ 10	24.6 7 m Su	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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8.3.4	Procedure/测试步骤			_
天潮	Test 7: Overcharge/测试 7: 过	度充电	Al Care	242
8.3.4.7	When the manufacturer's recomvoltage of the test shall be the lead 22V, whichever is less. When the than 18V, the charging voltage of charging current is 2 times of the manufacturer. 如果厂家推荐的充电电压不超过电电压或者是 22V, 取其中较小利	esser of two times the maximum the manufacturer's recommende of the test shall be 1.2 times maxe maximum charging current rec	o charge voltage of the ored charge voltage is more ximum charge voltage. To commended by the 该是两倍的厂家标定最大	r e The P
	倍的厂家标定最大充电电压。充Requirements/标准要求: No disassembly and no fire durit 试验样品在试验中和试验后 7 天	ng the test and within seven day	ys after the test.	天
	Requirements/标准要求: No disassembly and no fire durin 试验样品在试验中和试验后7天	ng the test and within seven day	ys after the test.	天神 Tian: Tian Su
cample No.	Requirements/标准要求: No disassembly and no fire duris 试验样品在试验中和试验后7天	ng the test and within seven day	ys after the test.	Test result
•	Requirements/标准要求: No disassembly and no fire durin 试验样品在试验中和试验后7天	ng the test and within seven day 内,应无解体和无起火现象发生	ys after the test.	Test result 测试结果
•	Requirements/标准要求: No disassembly and no fire durin 试验样品在试验中和试验后7天	ng the test and within seven day 内,应无解体和无起火现象发生 OCV prior to test	ys after the test.	ian 3
样品编号	Requirements/标准要求: No disassembly and no fire durin 试验样品在试验中和试验后7天	ng the test and within seven day 内,应无解体和无起火现象发生 OCV prior to test 试验前电压(V)	ys after the test.	测试结果
样品编号 B05#	Requirements/标准要求: No disassembly and no fire durin 试验样品在试验中和试验后7天	ng the test and within seven day 内,应无解体和无起火现象发生 OCV prior to test 试验前电压(V) 54.656	ys after the test.	测试结果

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长 洲	Test 8: Forced discharge/测	试 8: 强制放电	1000	天湖.	20
71 an 54 71 an 54 38.3.4.8 71 an 54 71 an 54	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				Tian S Tian S Tian S P
					天 Tian
					Tian Su
Sample No.	OCV prior to test	Test result	Sample No.	OCV prior to test	Test resul
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
C11#	2.929	7.a. 5. P	C21#	2.877	Prin
	2.854	P	C22#	2.864	Р
C12#	SVA 1500		2.40	7.4	SUA
C12#	2.859	P	C23#	2.856	P
-	2.859 2.859	P P	C23#	2.856	P P
C13#	7.015	4	£ 1911	£ 34	7ian -"
C13#	2.859	PM	C24#	2.927	P P
C13# C14# C15#	2.859	P M	C24# C25#	2.927	P P
C13# C14# C15# C16#	2.859 2.941 2.896	P P	C24# C25# C26#	2.927 2.901 2.882	P P P
C13# C14# C15# C16# C17#	2.859 2.941 2.896 2.867	P P	C24# C25# C26# C27#	2.927 2.901 2.882 2.889	P P P P P P P

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STATEMENTS

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