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检测报告 UN38.3

Name of sample:	Lithium ion cell
产品名称:	文理离子电芯
Model/型号规格:	INR18650 2000mAh
Client:	Jiang Xi Cheng jiang new energy Co.,Ltd
委托单位:	江西程疆新能源有限公司
Classification:	Commission Test
检测类别:	委托测试
54 天徽 714454 天湖 71454	THE WAY TO SEE THE SECOND SECO
Shenzhen Ti	ansu Calibration and Testing Co.,Ltd
深步	川天溯计量检测股份有限公司
	Report Seat (01-03)

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

TS(SZ)-J3-001-001-A02



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Name of samples: Lithium ion cell	Trade mark: -
样品名称: 锂离子电芯	商标: -
Commissioned by: Jiang Xi Cheng jiang new energy Co.,Ltd 委托单位: 江西程疆新能源有限公司	Commissioner address: Zhongcheng Industrial Park, Wuning County Industrial Park,Jiujiang City, Jiangxi Province 委托单位地址: 江西省九江市武宁县工业园区中城产业园
Manufacturer by: Jiang Xi Cheng jiang new energy Co.,Ltd 制造单位: 江西程疆新能源有限公司	Manufacturer address: Zhongcheng Industrial Park, Wuning County Industrial Park,Jiujiang City, Jiangxi Province 制造单位地址: 江西省九江市武宁县工业园区中城产业园
Manufacturer's Contact Information	Manufacturer's Web Site
制造商联系信息:	制造商网址:
Phone: 18866359684 Email: 94679338@qq.com	-
Type/Model	Shape: Approximate Purple Cylinder
型号规格: INR18650 2000mAh	样品形状: 紫色近圆柱体
Appearance color: Purple	Sample size
样品颜色: 紫色	样品尺寸: H(65.02mm)*D(18.30mm)
Rated info.	Cell quantity
额定信息: 3.7V/2000mAh/7.4Wh	组成电芯数量: \
Quantity of sample: 40cells	Cell model
样品数量: 40 个电芯	电芯型号:\
Limited charge voltage	Cut-off voltage
充电限制电压: 4.2V	放电截止电压: 2.75V
Standard charge current	Max continuous charge current
标准充电电流: 1000mA	最大持续充电电流: 2000mA
Standard discharge current	Max continuous discharge current
标准放电电流: 1000mA	最大持续放电电流: 1000mA
Receiving date	Sample identification
接样日期: 2022.4.24	样品标识序号: C01#~C40#
Completing date 完成日期: 2022.5.4	Test item: 7 items // 渊水项目: 7 项
Test conclusion:	Market Street St

The Lithium ion cell submitted by Jiang Xi Cheng jit has new energy Co.,Ltd are tested according to Section 38.3 of The Seventh Revised Edition of the United Nations Commendations on the Transport of Dangerous Goods, Manual of Test and Criteria (ST/SG/AC.1011) (ev.7/Section 38.3). The test results comply with the relevant requirements of the standard.

由江西程疆新能源有限公司送检的锂离子电太 版第 38.3 节进行检测,测试结果符合标准相关要求

危险货物运输的建议书, 试验和标准手册》第七修订

Date of issue: May 7,2022 签发日期: 2022 年 5 月 7 日

批准 Approved by

段江涛

审核 Reviewed by



主检 Tested by

徐志龙



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

Rep. No.:TSZ22040276-P01-R01

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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	天網 State Tun State 状态 Fun Su	Remark 备注
	T4. T5	C01#~C05#	at first cycle in fully charged states; 在第一个循环完全充电;	Cell
75	T.1~T.5	C06#~C10#	after 25 cycles ending in fully charged states; 在第二十五个循环完全充电;	电芯加
	天湖 Tian Sii	C11#~C15#	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
4	T.6	C16#~C20#	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	湖 / Tian	Sii 天瀬 / 天瀬	N/A
ķ	潮 7:	u 54 1 1 1 1 1 1 1 1 1	天啊 Tian Su / 天網	不适用
7	T.8	C21#~C30#	at first cycle in fully discharged states; 在第一个循环完全放电;	Cell
	1.0 _{im} 50	C31#~C40#	after 25 cycles ending in fully discharged states; 在第二十五个循环完全放电;	电芯

Descri	ntion c	of the	sampling	procedure:
	puon	, ,,,,	Juliphing	procedure.

取样程序的说明:

Description of report revision:

报告修订的说明:

Remarks:

备注:

The Lithium ion cell submitted by Jiang Xi Cheng jiang new energy Co.,Ltd are single cell. 由江西程疆新能源有限公司所送的锂离子电芯是单电芯。



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38.3.4	Procedure/测记	式步骤					lian Su—
u ska	Test 1: Altitud	de simulation/	测试 1: 高度模	拟 7644 54	· M	天 (A) Tian Su	Į.
	at ambient ten	nperature (20℃	C±5℃).		6kPa or less for a Pa 的环境中贮存		
	Requirement/	标准要求:	7000 7	o Tian	50 -	美欄	1,00
	1.Cells and ba	tteries Mass Io	ss limit: ≤0.2%				Р
38.3.4.1	样品质量损						ian Su
		~	s than 90%, Th batteries at full		relating to voltag	e is not	
					要求不适用于完全	放完电的电池	6:
	和电芯。						
			disassembly, n		no fire. 着火现象的发生。		
	Result	<i>一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一</i>	14F气、儿肝冲、	儿吸农以及儿	有 入	- Su	•
# 70 #1	测试结果	天嘴	l iu	- 3A	7100 54		天湖
Sample No.	Before 测记		27 23 4	·Test 分加多 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
C01#	42.365	4.190	42.344	4.188	0.05	99.95	P s
C02#	42.348	4.192	42.340	4.191	0.02	99.98	Р
C03#	42.354	4.185	42.333	4.182	0.05	99.93	P
C04#	42.347	4.186	42.339	4.182	0.02	99.90	Р
C05#	42.347	4.189	42.343	4.188	0.01	99.98	Р
C06#	42.347	4.185	42.347	4.183	0.00	99.95	Р
C07#	42.357	4.190	42.349	4.186	0.02	99.90	P ^{im Si}
C08#	42.358	4.184	42.345	4.180	0.03	99.90	Р
C09#	42.346	4.182	42.338	4.180	0.02	99.95	Tim P
C10#	42.369	4.183	42.365	4.179	0.01	99.90	Р

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

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38.3.4	Procedure/测	试步骤					WA ian Su—
54	Test 2: Therr	mal test/测试 2	: 温度测试	Mian 5"	9.	Tian Su	美
天湖 Tian Su Tian Su Tian Su A	72℃±2℃, fol ±2℃, The ma procedure is batteries are 将电芯和电池 件下贮存不少	lowed by storag aximum time int to be repeated to be stored for .在温度为 72℃:	ge for at least s erval between until 10 total cy · 24 hours at an ±2℃的条件下则	ix hours at a te test temperatur cles are compl nbient tempera 之存不少于 6 个 隔最长为 30mir	est temperature e re extremes in 30 lete, after which a ture (20℃±5℃). 小时,然后,在注 n,重复操作上述步) minutes, This all test cells and	不说 天湖 7ian Su ian Su
38.3.4.2	样品质量损 2.Open circui applicable 样品试验后 和电芯。	atteries Mass lo 失≤0.2%. It voltage not lea to test cells and 5开路电压应不信	ss than 90%, T I batteries at fu 氐于试验前开路	he requiremen Il discharged si 电压的 90%,此	要求不适用于完	美 M Su Su	P 大行 天湖 Tian Sa
Sil 天湖 7ian Su	7	, no venting, no)应无漏液、ヲ	×40	(500	no fire. C着火现象的发生	天開 7ian Su 7ian Su 7ian i	Su 3
Sample No.	Befor	M Before Test 测试前		After Test 测试后		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
C01#	42.344	4.188	42.306	4.166	0.09	99.47	Р
C02#	42.340	4.191	42.319	4.170	0.05	99.50	Р
C03#	42.333	4.182	42.295	4.160	0.09	99.47	Р
C04#	42.339	4.182	42.305	4.159	0.08	99.45	Plan Su
C05#	42.343	4.188	42.318	4.167	0.06	99.50	Р
C06#	42.347	4.183	42.317	4.164	0.07	99.55	Fin P
C07#	42.349	4.186	42.324	4.166	0.06	99.52	Р
C08#	42.345	4.180	42.307	4.160	0.09	99.52	Р
C09#	42.338	4.180	42.313	4.160	0.06	99.52	P K
C10#	42.365	4.179	42.340	4.161	0.06	99.57	Р

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—
	Test 3: Vibration/测试 3: 振动	3
	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.	美渊 Tian Sa
	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。	im van Su
38.3.4.3	Requirement/标准要求:	P
	1.Cells and batteries Mass loss limit: ≤0.2%. 样品质量损失≤0.2%.	美術
	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.	Fian S
	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。	夫湖 Tian Su
	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 列加·Si And Si An	1) 50 3 . V
Sample	Before Test After Test	Test

6	例风名不		6 Mil		♥ ♥ ₱ia	<i>i</i> ⊃"	A UNIV
Sample No.			After Test 测试后		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
C01#	42.306	4.166	42.285	4.163	0.05	99.93	Р
C02#	42.319	4.170	42.306	4.169	0.03	99.98	Р
C03#	42.295	4.160	42.282	4.158	0.03	99.95	P. M
C04#	42.305	4.159	42.292	4.156	0.03	99.93	Р
C05#	42.318	4.167	42.310	4.165	0.02	99.95	Р
C06#	42.317	4.164	42.304	4.162	0.03	99.95	P
C07#	42.324	4.166	42.311	4.161	0.03	99.88	Р
C08#	42.307	4.160	42.286	4.157	0.05	99.93	Р
C09#	42.313	4.160	42.309	4.155	0.01	99.88	P 7 cm S
C10#	42.340	4.161	42.323	4.158	0.04	99.93	Р

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



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38.3.4	Procedure/	则试步骤		美潮	Tian -		ian Su-
u o	Test 4: Shoo	:k/测试 4: 冲击	天湖。	7 can 5"	>40	天 (41) 7(a) (5)	ž
天 M 7 can 5 4 7 can 5 4 38.3.4.4 · 5 4 天 M 7 can 5 4	to a half-sine smaller) and subjected to smaller) and three shocks three mutuall 以稳与员量,如何是一个人,我们可以不是一个人,我们可以不是一个人,我们可以不是一个人,我们可以不是一个人,我们就是我们就是一个人,我们就是我们就是我们就是我们就是我们就是我们就是我们就是我们就是我们就是我们就是	shock of peak a pulse duration of a half-sine of per pulse duration of in the positive of y perpendicular 中的较小值)的 定住每个电池中的较小值)的 过速度 50gn(或型池组须在三个互总共经受 18 次/标准要求: patteries Mass log失≤0.2%. it voltage not lest to test cells and enter the state of the s	acceleration of of 6 millisecond park acceleration of 11 millisecond direction follows mounting posity 和电池样品的以来正弦的加速,与 \$\int_{\text{mounting}}\$\text{penk}\$\text	150gn (or Accel s, large cells ar n of 50gn (or Accel or n of 50gn (or Accel or ed by three shortions of the cell 全部配件表面。连撞击,脉冲持续接方位的正方	eration(gn)= \(\sum_{m}^{\text{100}} \) and large batteries celeration(gn)= \(\text{v} \) battery shall be cks in the negative or battery for a to the cks of a standard part of the cks in the negative or battery for a to the cks in the negative or battery for a to the cks in the negative or battery for a to the cks in the negative of a standard part of the cks in the negative of	shall be (() () () () () () () () () () () () ()	東湖 7ian Su P 天Tan Su Fian Su
	Result/测试纟	100		、儿饭农以及儿	有 八	54 . S4	<u> </u>
Sample No.	Befo 测	Before Test After Test 测试后		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
C01#	42.285	4.163	42.272	4.159	0.03	99.90	Р
C02#	42.306	4.169	42.293	4.167	0.03	99.95	Р
C03#	42.282	4.158	42.282	4.157	0.00	99.98	Р
C04#	42.292	4.156	42.279	4.154	0.03	99.95	Р
C05#	42.310	4.165	42.306	4.161	0.01	99.90	P
5 C06#	42.304	4.162	42.296	4.157	0.02	99.88	Р
C07#	42.311	4.161	42.303	4.158	0.02	99.93	Р
C08#	42.286	4.157	42.282	4.152	0.01	99.88	Р
C09#	42.309	4.155	42.305	4.151	0.01	99.90	P7im
C10#	42.323	4.158	42.319	4.156	0.01	99.95	Р

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—
	Test 5: External short circuit/测试 5: 外部短路	
	The cell or battery to be tested shall be temperature stabilized so that its external case temperature reaches $57^{\circ}\text{C}\pm4^{\circ}\text{C}$ 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 $57^{\circ}\text{C}\pm4^{\circ}\text{C}$, This short circuit condition is continued for at least one hour after the cell or battery external case temperature has returned to $57^{\circ}\text{C}\pm4^{\circ}\text{C}$, the cell or battery must be observed for a further six hour for the test to be concluded.	天湖 Tian Si
38.3.4.5	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℃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。	^{ши Su} Р
	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。	天衛 Tians
	Result A	Team -
	测试结果 ^{100 50} 100 100 100 100 100 100 100 100 100 1	
Sample No. 样品编号	测试结果 Max External Temp 样品表面最高温度(℃)	Test result 测试结身
No.	Max External Temp	result
No. 样品编号	Max External Temp 样品表面最高温度(℃)	result 测试结身
No. 样品编号 C01#	Max External Temp 样品表面最高温度(℃) 106.9	result 测试结身 P
No. 样品编号 C01# C02#	Max External Temp 样品表面最高温度(℃) 106.9	result 测试结身 P
No. 样品编号 C01# C02# C03#	Max External Temp 样品表面最高温度(℃) 106.9 103.9 112.6	result 测试结身 P P
No. 样品编号 C01# C02# C03# C04#	Max External Temp 样品表面最高温度(℃) 106.9 103.9 112.6	P P P
No. 样品编号 C01# C02# C03# C04#	Max External Temp 样品表面最高温度(℃) 106.9 103.9 112.6 114.2 100.9	P P P
No. 样品编号 C01# C02# C03# C04# C05#	Max External Temp 样品表面最高温度(℃) 106.9 112.6 114.2 100.9 100.9 100.9	P P P P
No. 样品编号 C01# C02# C03# C04# C05# C06# C07#	Max External Temp 样品表面最高温度(℃) 106.9 112.6 114.2 100.9 113.4	P P P P

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38.3.4	Procedure/测试步骤	ian Su-
天湖 7ian Su	Test 6: Crush\Impact 测试 6: 挤压(不适用) 撞击(适用)	
	Crush 挤压	F. V
	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.	WA.
	(a) The applied force reaches 13kN±0.78kN;	ian Su
	(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.	3
	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:	Tim
	(a)作用力达到 13kN±0.78kN;	o with
	(b)电池芯电压降至少达到 100mV;	大 MTI Tian Su
	(c)电池厚度和最初比较变形至少 50%。	A. A
	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。	0
	Impact Fine 5" Time 5" Fine 5"	u
	撞击 洲	*
8.3.4.6	(applicable to cylindrical cells not less than 18mm in diameter)	Р
7 in 5" A 5"	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	天湖 Tian 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.	A Se
	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.	* 71
	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 Tran 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 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。	A S"
	Requirement/标准要求: 1.Cells and component cells meet this requirement if their external temperature does not exceed 170℃;	至 湖
	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. 试验后 6 小时内无解体、无起火。	7ian Su



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7ian	Result 测试结果	天湖 71an Su 71an Su 天湖	KWA 7ian 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
C11#	3.789	118.0	Р
C12#	3.788 7 in 54	110.7	P S"
C13#	3.799 3.799 7 ₁₀₀ 5	116.3	Р
C14#	3.829	114.8	7ian Su P
C15#	Tim Su 3.830 Kith	108.7	Р
C16#	3.783	110.5	5 P
C17#	3.823 K	117.9	P
C18#	3.808	119.0 Kith	Р
C19#	3.819	117.5	Į. P
C20#	3.816	115.8 £ 115.8	Р

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—		
380	Test 7: Overcharge/测试 7: 过度充电			
天湖 7:201 Su 7:201 Su 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。			
	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 Vian		
	Result 测试结果 7 ^{cm 5} A A A A A A A A A A A A A A A A A A	Jian Su		

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		美潮	r jean 2	ian Su-	
天湖 7ian Su 7ian Su 38.3.4.8 天湖 7ian Su 天湖	Test 8: Forced discharge/测试 8: 强制放电					
	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。					
	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 resul 测试结果
C21#	3.068	Р	C31#	3.082	Р	
C22#	3.044	Р	C32#	3.121	P	
C23#	3.119	P Tim	C33#	3.045	Р	
C24#	3.133	P	C34#	3.043	Tiat P	
C25#	3.043	Par Su	C35#	3.126	Р	
C26#	3.046	Р	C36#	3.102	a Se P	
C27#	700 Sa 3.123	K WA P	C37#	3.067	P	
5 8 - 1 1 1 bil	3.080	Р	C38#	3.116	Р	
C28#		DI 07-24/4		天 项	- 2A	
C28#	3.105	Р	C39#	3.133	Р	

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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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- 6. The test report is valid for the tested samples only. 本报告仅与送检样品有关。

