





中国认可 国际互认 检测 TESTING CNAS L5473

UN38.3

Report No.: CESUN221227046

检测报告

TEST REPORT

Name of Sample:	Battery Pack
产品名称 :	锂电池组
Model Specificatio	n:
产品型号:	LB-200
Client:	QUANZHOU SAM RADIOS LTD.
委托单位 :	泉州森通电子有限公司
Classification of Te	est: Commission Test
检测类别·	委托检测

先进储能材料国家工程研究中心有限责任公司检测中心

CES

Test Center of National Engineering Research Center of Advanced Energy Storage Materials Co., Ltd.

说明

Marking

1. 报告无"报告专用章"无效。

The test report is invalid without "Special seal for report".

2. 报告无批准人、审核人和主检人签名无效。

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

3. 报告涂改无效。

The test report is invalid if altered.

4. 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。
Objections to the test report must be submitted to Test Center within15 days.

5. 报告仅对送检样品负责。

The test report is Valid for the tested samples only.

- 6. 本报告检测结论中"N/A"表示"不适用", "P"表示"符合标准要求", "F"表示"不符合标准要求"。 As for test result, "N/A" means is "not applicable", "P" means "pass", "F" means "fail".
- 7. 未经实验室书面批准,不得部分复制本报告书。

The partial replica of this report is prohibited without the written approval of CES.

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28

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TEST REPORT

Name of sample 样品名称	Battery P 锂电池组							
Model /Type 型号规格	LB-200 (3.7V 170	00mAh 6.29Wh)	Size 样品尺寸	86.0mm×54.0mm×14.0mm (L×W×T)				
Appearance 样品外观	Approxim 黑色近长	nate Black Cuboid 方体	Trade mark 商标	SAMCOM				
Quantity 样品数量		18 single cell batteries 5,18 个单电芯电池	Mass 样品质量	约/Approx.: 55.5g				
Receiving Date 接样日期	2022-12-	27	Testing Date 测试日期	2022-12-27~2023-01-09				
Client	Name 名称	QUANZHOU SAM RA 泉州森通电子有限公司						
委托单位	Address 地址	Xia Mei Industrial Areas, Xia Mei Town, Nanan, Fujian 福建省南安市霞美镇霞美工业区						
	Name 名称	Quanzhou Yintai Battery Co., Ltd. 泉州因泰电池有限公司						
Manufacturer	Address 地址	Optoelectronic base, Xia Mei Town, Nanan, Fujian 福建省南安市霞美镇光伏基地						
生产单位	Tel. 电话	0595-86713710	E-mail 邮箱	sam@samradios.com				
	Website 网址	te _						
Tested standard 测试标准	Test and	8.3 of the Seventh Rev Criteria" (ST/SG/AC.10 试验和标准手册》第七0	/11/Rev.7/Secti					
Test conclusion 检测结论	Edition of (ST/SG/A	the UNITED NATIONS AC.10/11/Rev.7/Section	3"Manual of Te 38.3)	ection 38.3 of the Seventh Revised st and Criteria" 》第七修订版第 38.3 节标准要求				
	The second of the second of the second	-12 CES #						
Issue date 签发日期	2023-01-	12		CES #				



Description and illustration of the sample/样品说明及描述:

The sample is single cell lithium ion battery, the sample's status is good /样品为单芯锂离子电池,样品状况良好。

测试项目及结论/ Test items and conclusion。

Test item 测试项目	Sample No. 样品编号	Verdict 判定
T.1 Altitude simulation 高度模拟	C1~C5, C6~C10	Р
T.2 Thermal test 温度试验	C1~C5, C6~C10	Р
T.3 Vibration 振动	C1~C5, C6~C10	Р
T.4 Shock 加速度冲击	C1~C5, C6~C10	Р
T.5 External Short Circuit 外部短路	C1~C5, C6~C10	Р
T.6 Impact /Crush 撞击/挤压	C11~C15, C16~C20	Р
T.7 Overcharge 过充电	C21~C24, C25~C28	Р
T.8 Forced discharge 强制放电	C29~C38, C39~C48	Р
Sample pretreatment/样品预处理:		

C1~C5, C21~C2:..... Single cell batteries at first cycle, in fully charged state.

第1个充放电周期完全充电状态的单电芯电池。

C6~C10, C25~C28:..... Single cell batteries after 25th cycle, in fully charged state.

第25个充放电周期后完全充电状态的单电芯电池。

C11~C15:..... Cells at first cycle at 50% of the design rated capacity.

第1个充放电周期充电到设计额定容量的50%的电芯。

C16~C20:..... Cells after 25th cycle at 50% of the design rated capacity.

第25个充放电周期后充电到设计额定容量的50%的电芯。

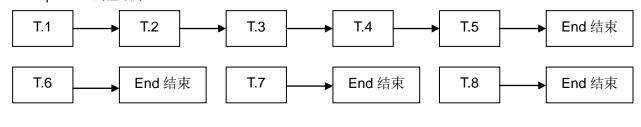
C29~C38:..... Cells at first cycle, in fully discharged state.

第1个充放电周期完全放电状态的电芯。

C39~C48:..... Cells after 25th cycles, ending in fully discharged state.

第25个充放电周期完全放电状态的电芯。

Test sequence/试验顺序:

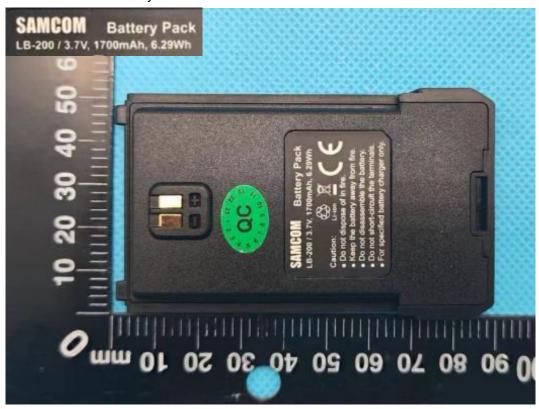


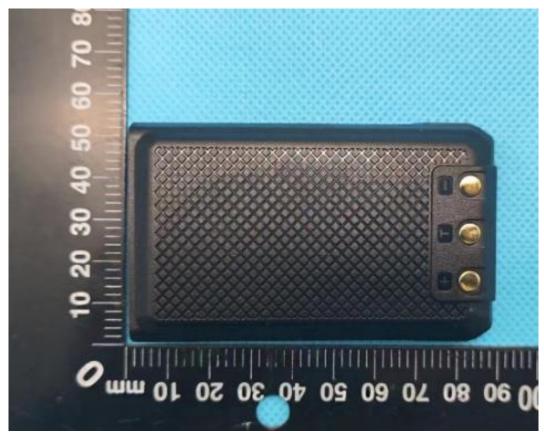


Report No.: CESUN221227046 Page 3 of 12

Photos of Samples and Labels/样品照片及标识

Battery /电池(LB-200 3.7V 1700mAh 6.29Wh)

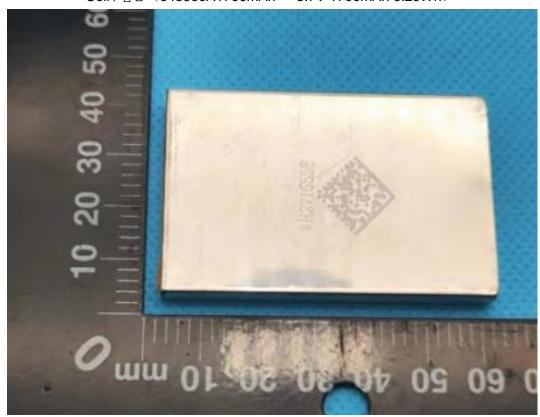


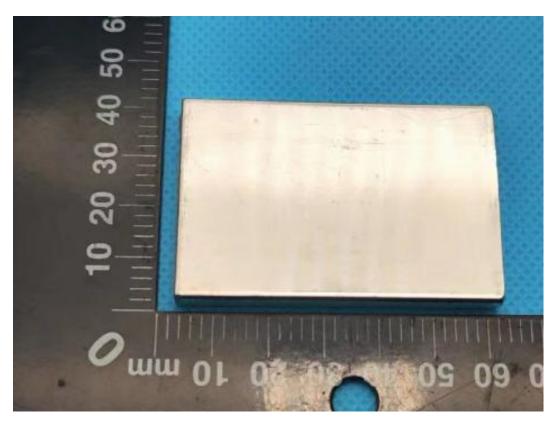




Photos of Samples and Labels/样品照片及标识

Cell /电芯(643960A1700mAh 3.7V 1700mAh 6.29Wh)







Report No.: CESUN221227046 Page 5 of 12

	ST/SG/AC.10/11/Rev.7/Section 3	38.3						
Clause	Requirements	Result	Verdict					
章节	标准要求	测试结果	判定					
38.3.4	Procedure/测试步骤							
	Test T.1: Altitude simulation/测试 T.1: 高度模拟							
	Test cells and batteries shall be stored at a pressure of least six hour at ambient temperature (20±5℃)/ 将电池5℃, 压力为不大于 11.6kpa 的环境中贮存不少于 6 个小	也和电池组在温度为 20土						
	Requirement/标准要求:	The samples C1~C10:						
	1. Cells and batteries Mass loss limit: ≤0.2% /样品质	no leakage, no venting,						
	量损失≤0.2%。	no disassembly, no						
38.3.4.1	2. Open circuit voltage not less than 90%, The	rupture and no fire/样品	Р					
	requirement relating to voltage is not applicable to test	C1~C10: 无渗漏、无排						
	cells and batteries at full discharged states/样品试验	气、无解体、无破裂以						
	后开路电压应不低于试验前开路电压的90%,此要求不	及无着火现象						
	适用于完全放完电的电池和电池组。	The test data see						
	3. No leakage, no venting, no disassembly, no rupture	table1 /测试数据见表1						
	and no fire /样品(电池)应无渗漏、无排气、无解体、							
	无破裂以及无着火现象的发生。							
	Test T.2: Thermal test/测试 T. 2: 温度试验							
	Test cells and batteries are to be stored for/电池和电池组存储条件如下:							
	1.one temperature cycle: 72±2℃(6h) —-40±2℃(6h) /一次温度循环为72±2℃							
	(6h)—-40±2℃(6h)。							
	2. The maximum time interval between test temperature	extremes is 30 minutes/						
	温度转换最大间隔时间为30min。							
	3.This procedure is to be repeated 10 times/重复10次循	 手 不 						
	4.after which all test cells and batteries are to be stored for 24 hours at ambient							
	temperature (20±5℃)/循环结束后,电池和电池组在20±5℃的条件下搁置24小							
	时。							
	For large cells and batteries the duration of exposure to	the test temperature						
38.3.4.2	extremes should be at least 12 hours/对于大型电池和电	池组,暴露于极端试验温	Р					
	度的时间至少为12小时。							
	Requirement/标准要求:	The samples C1~C10:						
	1. Cells and batteries Mass loss limit: ≤0.2% /样品质	no leakage, no venting,						
	量损失≤0.2%。	no disassembly, no						
	2. Open circuit voltage not less than 90%, The	rupture and no fire/样品						
	requirement relating to voltage is not applicable to test	C1~C10: 无渗漏、无排						
	cells and batteries at full discharged states/样品试验	气、无解体、无破裂以						
	后开路电压应不低于试验前开路电压的90%,此要求不	及无着火现象						
	适用于完全放完电的电池和电池组。	The test data see						
	3. No leakage, no venting, no disassembly, no rupture	table1 /测试数据见表1						
	and no fire /样品(电池)应无渗漏、无排气、无解体、							
	无破裂以及无着火现象的发生。							



Report No.: CESUN221227046 Page 6 of 12

ST/SG/AC.10/11/Rev.7/Section 38.3					
Clause	Requirements	Result	Verdict		
章节	标准要求	测试结果	判定		
38.3.4.3	Test T.3: Vibration/测试 T.3: 振动 1. Cells and batteries are firmly secured to the platform /电池和电池组率固地安装在振动台(的台面)上。 2. The vibration :a sinusoidal waveform with a logarithm and 200Hz and back to 7Hz traversed in 15 minutes/振增加至200Hz, 然后再回到7Hz为一个循环,时间跨度为 3. The logarithmic frequency sweep is as follows/对数挂 (1)For cells and small batteries: from 7 Hz a peak :maintained until 18 Hz is reached, The amplitude is the (1.6 mm total excursion) and the frequency increased to of 8gn occurs (approximately 50Hz), A peak acceleration maintained until the frequency is increased to 200Hz/统赫兹开始保持1gn的最大加速度直到频率为18赫兹,然后偏移1. 6毫米)并增加频率直到最大加速度达到8gn(频频速度保持在8gn直到频率增加到200赫兹。 (2) For large batteries: from 7Hz to a peak acceleration maintained until 18Hz is reached. The amplitude is the (1.6 mm total excursion) and the frequency increased to 200Hz/死开始保持1gn的最大加速度直到频率为18赫兹,然后将扩移1.6毫米)并增加频率直到最大加速度达到2gn(频率速度保持在2gn直到频率增加到200赫兹。 4.This cycle repeated 12 times for a total of 3 hours for perpendicular mounting position of the cell /振动的其中品极性,对每个电池从三个互相垂直的方向上循环12 次小时。 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池组。 3. No leakage, no venting, no disassembly, no rupture and no fire /样品(电池)应无渗漏、无排气、无解体、无破裂以及无着火现象的发生。	of the vibration machine nic sweep between 7Hz 动以正弦波形式,以7Hz 对15分钟。 加频为: acceleration of 1gn is n maintained at 0.8 mm antil a peak acceleration on of 8gn is then 十中电池和小型电池:从7 将振幅保持在0.8毫米(总 率约为50赫兹),将最大 ration of 1gn is n maintained at 0.8 mm antil a peak acceleration on of 2gn is then 十十大型电池组:从7赫兹 最幅保持在0.8毫米(总偏约为25赫兹),将最大加 each of three mutually 一个方向必须是垂直于样	P		



Report No.: CESUN221227046 Page

ST/SG/AC.10/11/Rev.7/Section 38.3								
Clause	Requirements	Result	Verdict					
章节	标准要求	测试结果	判定					
	Test T.4: Shock/测试 T.4: 加速度冲击							
	1.Test cells and batteries shall be secured to the testing	g machine/以稳固的托架						
	固定住每个电池和电池组样品的全部配件表面。 2. Each cell shall be subjected to a half-sine shock of peak acceleration of							
	150gn and pulse duration of 6 milliseconds. Alternatively, large cells may be							
	subjected to a half-sine shock of peak acceleration of 50	•						
	11 milliseconds./小型电池须经受峰值为150gn和脉冲持							
	击,大型电池须经受最大加速度50gn和脉冲持续时间11							
	3. Small batteries shall be subjected to a half-sine shoo							
	150gn (or Acceleration(g _n) = $\sqrt{\frac{100850}{\text{mass}}}$,which is sma	ller)and pulse duration of						
	6 milliseconds. Large batteries shall be subjected to a h	nalf-sine shock of peak						
	(30000)							
	acceleration of 50gn (or Acceleration(g _n) = $\sqrt{\left(\frac{30000}{\textit{mass}}\right)}$,which is smaller)and							
	pulse duration of 11 milliseconds./小型电池须经受峰值为150gn(或与							
	$\sqrt{\frac{100850}{mass}}$ 中的较小值)和脉冲持续6毫秒的半正弦波	冲击,大型电池组须经受						
38.3.4.4	最大加速度 50 gn(或与 $\sqrt{\left(\frac{30000}{mass}\right)}$ 中较小值)和脉冲持	续时间11毫秒的半正弦波	Р					
	冲击。							
	3 .Each cell or battery shall be subjected to three shock							
	followed by three shocks in the negative direction of thr							
	perpendicular mounting positions of the cell or battery f 个电池或电池组须在三个互相垂直的电池安装方位的正							
	在反方向经受三次冲击,总共经受18次冲击。	7114A=M1 H7 K1						
	Requirement/标准要求:	The samples C1~C10:						
	1. Cells and batteries Mass loss limit: ≤0.2% /样品质	Acceleration=150g _n						
	量损失≤0.2%。	No leakage, no venting,						
	2. Open circuit voltage not less than 90%, The requirement relating to voltage is not applicable to test	no disassembly, no rupture and no fire/样品						
	cells and batteries at full discharged states/样品试验	C1~C10:						
	后开路电压应不低于试验前开路电压的90%,此要求不	峰值加速度=150 g n						
	适用于完全放完电的电池和电池组。	无渗漏、无排气、无解						
	3. No leakage, no venting, no disassembly, no rupture and no fire /样品(电池)应无渗漏、无排气、无解体、	体、无破裂以及无着火现象。The test data see						
	and no life / 样品(电池)应无渗漏、无排气、无解体、 无破裂以及无着火现象的发生。	现象。The test data see table1 /测试数据见表1						
	· · · · · · · · · · · · · · · · · · ·	A CONTRACTOR OF THE CONTRACTOR						



Report No.: CESUN221227046 Page 8 of 12

	ST/SG/AC.10/11/Rev.7/Section 3	38.3	
Clause	Requirements	Result	Verdict
章节	标准要求	测试结果	判定
38.3.4.5	Test T.5: External Short Circuit/测试 T.5:外部短路 1.The cell or battery to be tested shall be temperature sexternal case temperature reaches 57±4℃/保持试验证以使电池或电池样品外表温度稳定达到57±4℃。 2. the cell or battery shall be subjected to a short circuit external resistance of less than 0,1 ohm at 57±4℃, Thicontinued for at least one hour after the cell or battery e has returned to 57±4℃, or in the case of the large bath half of the maximum temperature increase observed dubelow that value/将电池或电池正负极用小于0.1Ω的总电电池的外表温度恢复到57±4℃之后保持短路状态1小时外壳温度下降至最大温升的一半即可。 3. the cell or battery must be observed for a further six concluded/对电池或电池必须进一步观察 6 个小时才能可以可以使用的一个一个一个一个时间,是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	r境温度稳定在57±4℃, condition with a total short circuit condition is xternal case temperature teries, has decreased by tring the test and remains 以且回路进行短路,电池或以上,对于大型电池组其hour for the test to be	P
	Test T.6: Impact / Crush / 测试 T.6: 撞击/挤压		Р
38.3.4.6	Impact (applicable to cylindrical cells not less than 18m 用于直径不小于18毫米的圆柱形电池) 1. This test sample cell or component cell is to be place surface/将试验样品用的电池或组件电池放在一个平坦光2. A 15.8±0.1mm diameter, at least 6 cm long, or the locell, whichever is greater, type 316 stainless bar is to be center of the sample, A 9.1kg mass is to be dropped from at the intersection of the bar and sample in a controlled frictionless, vertical sliding track or channel with minimal mass. The vertical track or channel used to guide the factoriented 90 degrees from the horizontal supporting surfer but the intersection of the bar and sample in a controlled frictionless, vertical sliding track or channel with minimal mass. The vertical track or channel used to guide the factoriented 90 degrees from the horizontal supporting surfer but the intersection of the bar and sample in a controlled frictionless, vertical sliding track or channel with minimal mass. The vertical track or channel used to guide the factoriented 90 degrees from the horizontal supporting surfer but the intersection of the bar and sample in a controlled frictionless, vertical sliding track or channel with minimal mass. The vertical track or channel used to guide the factoriented 90 degrees from the horizontal supporting surfer but the intersection of the bar and sample in a controlled frictionless, vertical sliding track or channel with minimal mass. The vertical sliding track or channel with minimal mass. The vertical sliding track or channel with minimal mass. The vertical sliding track or channel with minimal mass. The vertical sliding track or channel with minimal mass. The vertical sliding track or channel with minimal mass. The vertical sliding track or channel with minimal mass. The vertical sliding track or channel with minimal mass. The vertical sliding track or channel with minimal mass. The vertical sliding track or channel with minimal mass. The vertical sliding track or channel with minimal mass. The vertical sliding track or channel with minimal mass. The vertical	ed on a flat smooth 清的平面上。 ngest dimension of the e placed across the om a height of 61±2.5cm manner using a near al drag on the falling alling mass shall be face /将一根316型不锈钢,长度至少为6厘米,或生0.1千克的重锤从61±2有摩擦的、对落体重锤用于引导落锤沿与水平支	N/A



	ST/SG/AC.10/11/Rev.7/Section	38.3					
Clause	Requirements	Result	Verdict				
章节	标准要求	测试结果	判定				
	surface and perpendicular to the longitudinal axis of th	e 15.8 mm ± 0.1mm					
	diameter curved surface lying across the centre of the	test sample. Each sample					
	is to be subjected to only a single impact/接受撞击的记						
	平行并与横放在试样中心的直径15.8±0.1毫米弯曲表面	前的纵轴垂直。每一个试样					
	只经受一次撞击。	Г					
	Requirements/标准要求:						
	1. Cells external temperature not exceed 170℃/电池 的最高表面温度应不超过170℃。						
	的取尚衣囬価及应个超及1700。 2 .No disassembly, no rupture and no fire within six		NI/A				
	hours of this test./试验结束后6 个小时之内,电池应无		N/A				
	解体和无着火现象发生。						
	MITTING OF THE POLICY OF THE P						
	Crush (applicable to prismatic, pouch, coin/button cell	s and cylindrical cells less					
	than 18mm in diameter)/挤压(适用于棱柱形、袋装、						
	18毫米的圆柱形电池)						
	1. A cell or component cell is to be crushed between two flat surfaces. The						
	crushing is to be gradual with a speed of approximately 1.5cm/s at the first point						
	of contact. The crushing is to be continued until the first of the three options						
	below is reached/将电池或元件电池放在两个平面之间挤压,挤压力度逐渐加大,						
	在第一个接触点上的速度大约为1.5 厘米/秒。挤压持续进行,直到出现以下三种						
	情况之一:						
	(a) The applied force reaches 13kN ± 0.78kN /施加的力达到13千牛±0.78千牛						
	(b) The voltage of the cell drops by at least 100mV/电池的电压下降至少100毫伏						
38.3.4.6	(c) The cell is deformed by 50% or more of its original thickness/电池变形达原始厚度的50%以上。						
	2. A prismatic or pouch cell shall be crushed by applying	ng the force to the widest					
	side. A button/coin cell shall be crushed by applying the	e force on its flat surfaces/					
	棱柱形或袋装电池应从最宽的一面施压。纽扣/硬币形电	且池应从其平坦表面施压。					
	圆柱形电池应从与纵轴垂直的方向施压。	I					
	Requirements/标准要求:	The samples C11~C20:					
	1. Cells external temperature not exceed 170℃/电池	no disassembly and no					
	的最高表面温度应不超过170℃。	fire/样品C11~C20: 无解					
	2.No disassembly, no rupture and no fire within six hours of this test/试验结束后6个小时之内,电池应无	体、无着火现象					
	解体和无着火现象发生。	The test data see table2					
	所で1474701名 スペルネバス 上。	/测试数据见表2					
	Test T.7: Overcharge/测试 T. 7: 过充电						
	1. The charge current shall be twice the manu	facturer's recommended					
38.3.4.7	maximum continuous charge current/以2倍制造厂推着	岁的最大持续充电电流对样	Р				
	品充电						
	2 .The minimum voltage of the test shall be as follows/本测试最小电压为:						



	ST/SG/AC.10/11/Rev.7/Section 3	38.3	
Clause	Requirements	Result	Verdict
章节	标准要求	测试结果	判定
38.3.4.7	a) 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 battery or 22V/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是厂家标定最大充电电压的两倍或者是22V之中的较小者。b) When the manufacturer's recommended charge voltage is more than 18V, the minimum voltage of the test shall be1.2 times the maximum charge voltage/如果厂家推荐的充电电压超过18V,本测试的最小充电电压应是厂家标定最大充电电压的1.2倍。c)Tests are to be conducted at ambient temperature 20±5℃, The duration of the test shall be 24 hours/20±5℃的环境温度下,试验持续24小时。	The voltage of the test is 8.4V, and the current is 3.4A 试验的电压为8.4V,电流为3.4A	Р
	Requirements/标准要求: No disassembly and no fire within seven days of this test/试验样品在试验中和试验后7天内,应无解体和无着火现象发生。	The samples C21~C28: no disassembly and no fire/样品C21~C28: 无解 体、无着火现象。The test data see table3/测 试数据见表3	
38.3.4.8	Test T.8: Forced discharge/测试 T.8: 强制放电 Each cell shall be forced discharged at ambient tempe series with a 12 V D.C. power supply at an initial curre discharge current specified by the manufacturer/20±5电池连接在12V 的直流电源上进行强制放电,此直流电流为制造厂指定的最大放电电流。 The specified discharge current is to be obtained by co of the appropriate size and rating in series with the test forced discharged for a time interval (in hours) equal to by the initial test current (in ampere)/指定的放电电流通适大小和功率的负载来获得,每个电池的强制放电时间初始电流(安培)。 Requirements/标准要求: No disassembly and no fire within seven days of this test/试验样品在试验中和试验后7天内,应无解体和无着火现象发生。	nt equal to the maximum ℃的环境温度下,将单个 源提供给每个电池初始电 onnecting a resistive load at cell. Each cell shall be its rated capacity divided 过串联在测试电池上的合	Р



	Table1: T.1~T.5 / 表1: T.1~T.5										
Item/项目		C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
OCV pric 试验前		4.175	4.173	4.172	4.171	4.173	4.172	4.174	4.170	4.173	4.170
Mass prid 试验前原		55.027	55.321	55.174	55.094	55.238	55.501	54.896	55.367	55.427	54.997
T.1: Altitude	Mass loss 质量损失 (%)	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.002	0.000
Simulation 高度模拟	Change ratio 电压比 (%)	100	99.928	99.952	99.928	99.976	99.976	99.928	99.928	99.928	99.976
T.2: Thermal	Mass loss 质量损失 (%)	0.015	0.018	0.014	0.025	0.016	0.014	0.024	0.014	0.018	0.020
test 温度试验	Change ratio 电压比 (%)	98.874	98.801	98.921	98.824	98.969	98.825	98.921	98.968	98.969	98.825
T.3: Vibration	Mass loss 质量损失 (%)	0.000	0.002	0.000	0.002	0.000	0.000	0.000	0.002	0.002	0.000
振动	Change ratio 电压比 (%)	99.976	100	99.976	99.951	100	99.951	99.976	99.952	99.976	99.951
T.4: Shock	Mass loss 质量损失 (%)	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.002	0.000	0.002
加速度冲击	Change ratio 电压比 (%)	99.976	100	100	100	100	99.976	99.976	100	99.976	99.976
T.5: External Short Circuit 外接短路	Temp, (℃) 温度 (℃)	56.3	56.4	56.3	56.3	56.4	56.3	56.5	56.4	56.3	56.3



	Table 2: Crush/表 2: 挤压											
T.6: Crush/ 挤压	Sample No, 样品号	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	
	OCV prior to test 试验前电压(V)	3.791	3.794	3.792	3.793	3.793	3.793	3.794	3.793	3.794	3.793	
	Temp, (℃) 温度 (℃)	23.3	23.3	23.3	23.3	23.2	23.1	23.2	23.3	23.1	23.2	

Table3: Overcharge Test of batteries/ 表 3: 电池过充试验									
T.7: Overcharge	Sample No, 样品号	C21	C22	C23	C24	C25	C26	C27	C28
过充电	OCV prior to test 试验前电压(V)	4.171	4.172	4.171	4.172	4.173	4.171	4.172	4.172

Table 4: Forced discharge / 表 4: 强制放电											
	Sample No, 样品号	C29	C30	C31	C32	C33	C34	C35	C36	C37	C38
T.8: Forced	OCV prior to test 试验前电压(V)	3.095	3.118	3.098	3.156	3.126	3.173	3.116	3.146	3.087	3.156
discharge 强制放电	Sample No, 样品号	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48
	OCV prior to test 试验前电压(V)	3.105	3.164	3.098	3.144	3.165	3.175	3.141	3.087	3.137	3.173

-- End of Report --