中国认可
国际互认
检测
TESTING
CNAS L5473

UN38.3

Report No.:CESUN220222018

检 测 报 告

TEST REPORT

Name of Sample: Li-ion Battery Pack

产品名称 ： 锂离子电池组

Model Specification:

产品型号： VENUS-BAT-10

Client: Hunan Wisdom Technology Co., Ltd.

委托单位 ： 湖南唯电科技有限公司

Classification of Test: 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

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.

检测单位地址：广东省深圳市宝安区新安街道宝石路29号蓝坤集团大厦B栋一楼B102
Lab Address：No.B102, 1/F., Lankun Group Building B, No.29, Baoshi Road, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China
电话(TEL)：86-755-22678310
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邮政编码(Post Code)：518101
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E-mail：service@cescert.com

TEST REPORT

Name of sample 样品名称	Li-ion Battery Pack 锂离子电池组			
Model /Type 型号规格	VENUS-BAT-10 (51.2V 200Ah 10240Wh)		Size 样品尺寸	822.0mm×465.0mm ×200.0mm (L×W×T)
Appearance 样品外观	Approximate Rice White Cuboid 米白色近长方体		Trade mark 商标	--
Quantity 样品数量	30 cells, 4 batteries 30 个电芯，4 个电池组		Mass 样品质量	约/Approx.:86.5Kg
Receiving Date 接样日期	2022-02-22		Testing Date 测试日期	2022-02-22~2022-03-18
Client 委托单位	Name 名称	Hunan Wisdom Technology Co., Ltd. 湖南唯电科技有限公司		
	Address 地址	Building 15, Xingsha International Enterprise Center, No. 68 Luositang Road, Changsha Economic and Technological Development Zone, Hunan, China 长沙经济技术开发区螺丝塘路 68 号星沙国际企业中心第 15 栋 405 号		
Manufacturer 生产单位	Name 名称	Hunan Wisdom Technology Co., Ltd. 湖南唯电科技有限公司		
	Address 地址	Building 15, Xingsha International Enterprise Center, No. 68 Luositang Road, Changsha Economic and Technological Development Zone, Hunan, China 长沙经济技术开发区螺丝塘路 68 号星沙国际企业中心第 15 栋 405 号		
	Tel. 电话	0731-86207800	E-mail 邮箱	vdbattery@163.com
	Website 网址	www.vdbattery.com		
Tested standard 测试标准	Section 38.3 of the Seventh Revised Edition of the "Manual of Test and Criteria" (ST/SG/AC.10/11/Rev.7/Section 38.3) 《试验和标准手册》第七修订版第38.3节			
Test conclusion 检测结论	The sample has passed the test items of UNITED NATIONS "Manual of Tests and Criteria " ST/SG/AC.10/11/Rev.7/Section 38.3 经测试，该批样品符合联合国《试验和标准手册》ST/SG/AC.10/11/Rev.7/Section 38.3 标准要求			
Issue date 签发日期	2022-03-19			
Tested by 主检		Reviewed by 审核		Approved by 批准

陈其平 Cherry Chen:..... 技术负责人 Technical Manager

廖宇平 Richie Liao:..... 中心副主任 Deputy Centre Director

TEST REPORT

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

The sample is a lithium ion battery(16S2P) , the sample's status is good /样品为锂离子电池组（16S2P），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	B1#~B2#, B3#~B4#	P
T.2 Thermal test 温度试验	B1#~B2#, B3#~B4#	P
T.3 Vibration 振动	B1#~B2#, B3#~B4#	P
T.4 Shock 加速度冲击	B1#~B2#, B3#~B4#	P
T.5 External Short Circuit 外部短路	B1#~B2#, B3#~B4#	P
T.6 Impact /Crush 撞击/挤压	C1#~C5#, C6#~C10#	P
T.7 Overcharge 过充电	B1#~B2#, B3#~B4#	P
T.8 Forced discharge 强制放电	C11# ~ C20#, C21# ~C30#	P

Sample pretreatment/样品预处理：

B1#~B2#:..... Batteries at first cycle, in fully charged state.
第 1 个充放电周期完全充电状态的电池。

B3# ~B4#:..... Batteries after 25th cycle, in fully charged state.
第 25 个充放电周期后完全充电状态的电池。

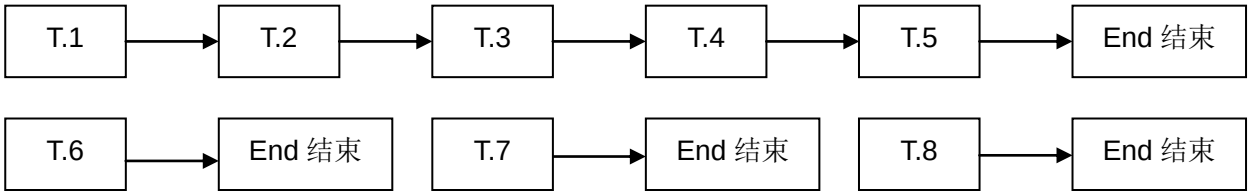
C1# ~ C5#:..... Cells at first cycle at 50% of the design rated capacity.
第 1 个充放电周期充电到设计额定容量的 50%的电芯。

C6# ~ C10#:..... 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。

C11# ~ C20#:..... 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。

C21# ~C30#:..... 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。

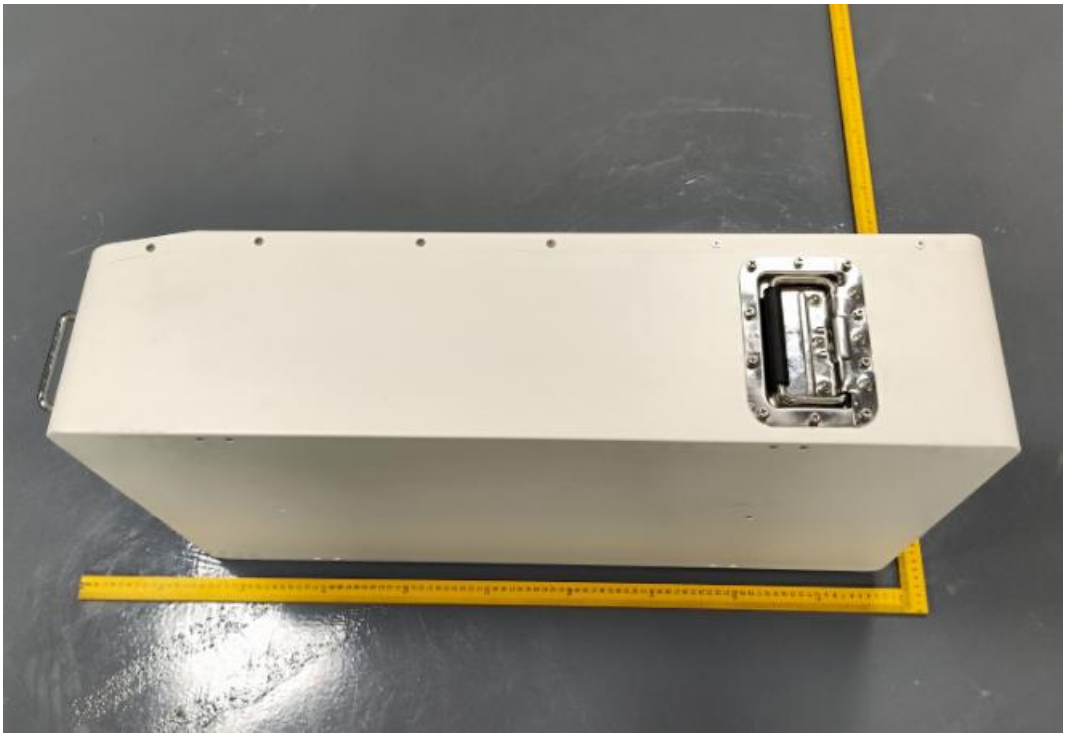
Test sequence/试验顺序:



Photos of Samples and Labels/样品照片及标识

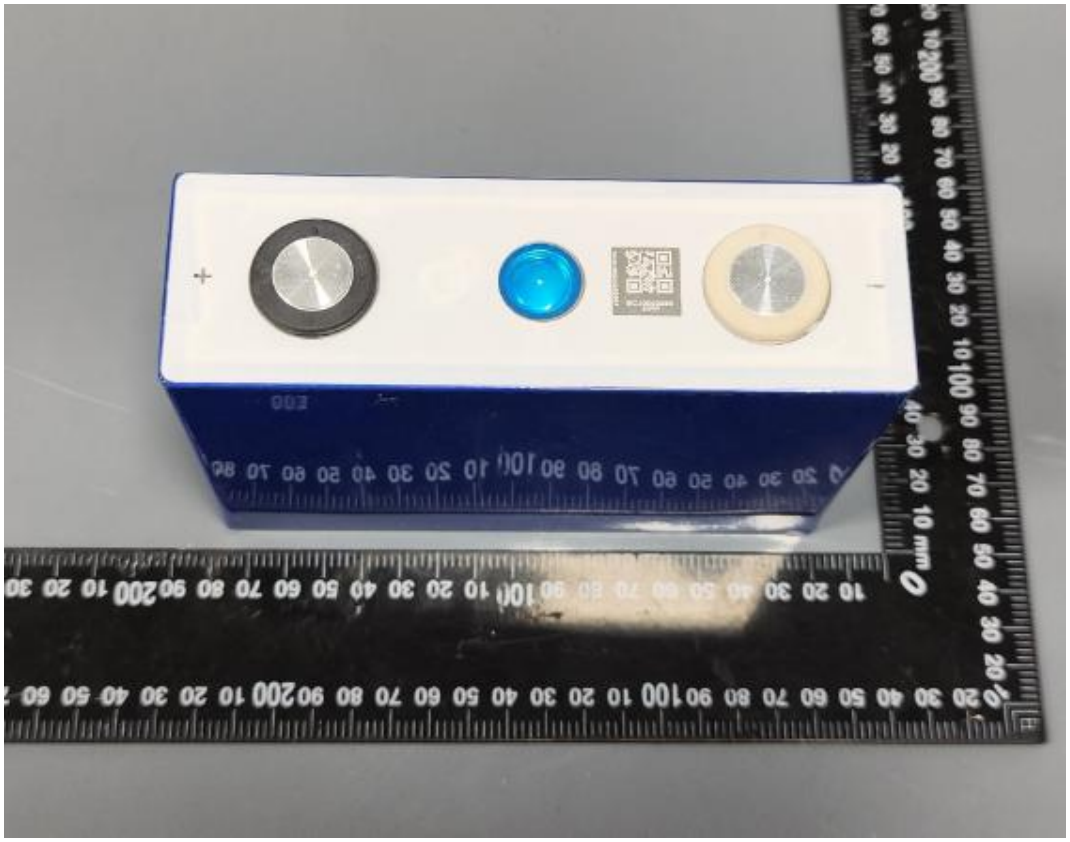
Samples /样品（VENUS-BAT-10 51.2V 200Ah 10240Wh）

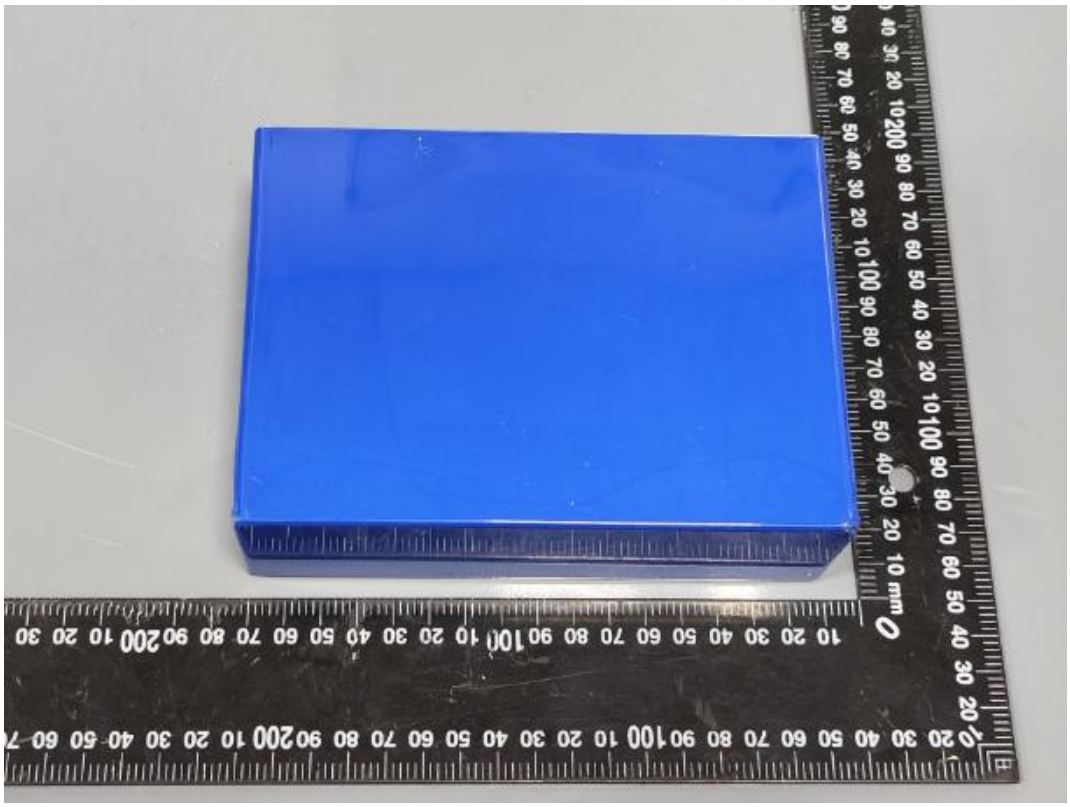




Photos of Samples and Labels/样品照片及标识

Cells /电芯（LF100M 3.2V 100Ah 320Wh）





ST/SG/AC.10/11/Rev.7/Section 38.3			
Clause 章节	**Requirements 标准要求**	**Result 测试结果**	**Verdict 判定**
38.3.4	**Procedure/测试步骤**		—
38.3.4.1	**Test T.1: Altitude simulation/测试 T. 1：高度模拟**		P
	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℃)/ 将电池和电池组在温度为 20±5℃，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% /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。	The samples B1#~B4#: no leakage, no venting, no disassembly, no rupture and no fire/样品B1#~B4#：无渗漏、无排气、无解体、无破裂以及无着火现象 The test data see table1 /测试数据见表1	
38.3.4.2	**Test T.2: Thermal test/测试 T. 2：温度试验**		P
	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次循环。 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 extremes should be at least 12 hours/对于大型电池和电池组，暴露于极端试验温度的时间至少为12小时。		
	Requirement/标准要求： 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。	The samples B1#~B4#: no leakage, no venting, no disassembly, no rupture and no fire/样品B1#~B4#：无渗漏、无排气、无解体、无破裂以及无着火现象 The test data see table1 /测试数据见表1	

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Clause 章节	**Requirements 标准要求**	**Result 测试结果**	**Verdict 判定**
38.3.4.3	**Test T.3: Vibration/测试 T.3：振动**		P
38.3.4.3	1. Cells and batteries are firmly secured to the platform of the vibration machine /电池和电池组牢固地安装在振动台（的台面）上。 2. The vibration :a sinusoidal waveform with a logarithmic sweep between 7Hz and 200Hz and back to 7Hz traversed in 15 minutes/振动以正弦波形式，以7Hz增加至200Hz，然后再回到7Hz为一个循环，时间跨度为15分钟。 3.The logarithmic frequency sweep is as follows/对数扫频为: (1)For cells and small batteries: from 7 Hz a peak acceleration of 1gn is maintained until 18 Hz is reached, The amplitude is then maintained at 0.8 mm (1.6 mm total excursion) and the frequency increased until a peak acceleration of 8gn occurs (approximately 50Hz), A peak acceleration of 8gn is then maintained until the frequency is increased to 200Hz/对于电池和小型电池：从7赫兹开始保持1gn的最大加速度直到频率为18赫兹，然后将振幅保持在0.8毫米（总偏移1.6毫米）并增加频率直到最大加速度达到8gn（频率约为50赫兹），将最大加速度保持在8gn直到频率增加到200赫兹。 (2) For large batteries: from 7Hz to a peak acceleration of 1gn is maintained until 18Hz is reached. The amplitude is then maintained at 0.8 mm (1.6 mm total excursion) and the frequency increased until a peak acceleration of 2gn occurs (approximately 25Hz). A peak acceleration of 2gn is then maintained until the frequency is increased to 200Hz/对于大型电池组：从7赫兹开始保持1gn的最大加速度直到频率为18赫兹，然后将振幅保持在0.8毫米（总偏移1.6毫米）并增加频率直到最大加速度达到2gn（频率约为25赫兹），将最大加速度保持在2gn直到频率增加到200赫兹。 4.This cycle repeated 12 times for a total of 3 hours for each of three mutually perpendicular mounting position of the cell /振动的其中一个方向必须是垂直于样品极性，对每个电池从三个互相垂直的方向上循环12 次，每个方向3个小时，共9小时。		
	Requirement/标准要求： 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。	The samples B1#~B4#: no leakage, no venting, no disassembly, no rupture and no fire/样品B1#~B4#：无渗漏、无排气、无解体、无破裂以及无着火现象 The test data see table1 /测试数据见表1	

ST/SG/AC.10/11/Rev.7/Section 38.3			
Clause 章节	**Requirements 标准要求**	**Result 测试结果**	**Verdict 判定**
38.3.4.4	**Test T.4: Shock/测试 T.4：加速度冲击** 1.Test cells and batteries shall be secured to the testing 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 50gn and pulse duration of 11 milliseconds./小型电池须经受峰值为150gn和脉冲持续时间6毫秒的半正弦冲击，大型电池须经受最大加速度50gn和脉冲持续时间11毫秒的半正弦波冲击。 3. Small batteries shall be subjected to a half-sine shock of peak acceleration of 150gn (or Acceleration(g_n) = $\sqrt{\left(\frac{100850}{mass}\right)}$,which is smaller)and pulse duration of 6 milliseconds. Large batteries shall be subjected to a half-sine shock of peak acceleration of 50gn (or Acceleration(g_n) = $\sqrt{\left(\frac{30000}{mass}\right)}$,which is smaller)and pulse duration of 11 milliseconds./小型电池须经受峰值为150gn（或与 $\sqrt{\left(\frac{100850}{mass}\right)}$ 中的较小值）和脉冲持续6毫秒的半正弦波冲击，大型电池组须经受最大加速度50gn（或与 $\sqrt{\left(\frac{30000}{mass}\right)}$ 中较小值）和脉冲持续时间11毫秒的半正弦波冲击。 3 .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/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。		P
	Requirement/标准要求： 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。	The samples B1#~B4# : Acceleration=19g_n No leakage, no venting, no disassembly, no rupture and no fire/样品B1#~B4#：峰值加速度=19g_n 无渗漏、无排气、无解体、无破裂以及无着火现象。The test data see table1 /测试数据见表1	

ST/SG/AC.10/11/Rev.7/Section 38.3			
Clause 章节	**Requirements 标准要求**	**Result 测试结果**	**Verdict 判定**
38.3.4.5	**Test T.5: External Short Circuit/测试 T. 5 :外部短路**		P
	1.The cell or battery to be tested shall be temperature stabilized so that its external case temperature reaches 57±4℃/保持试验环境温度稳定在57±4℃，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 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℃, or in the case of the large batteries, has decreased by half of the maximum temperature increase observed during the test and remains below that value/将电池或电池正负极用小于0.1Ω的总电阻回路进行短路，电池或电池的外表温度恢复到57±4℃之后保持短路状态1小时以上，对于大型电池组其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 hour for the test to be concluded/对电池或电池必须进一步观察 6 个小时才能下结论。		
	Requirements/标准要求： During the test and within six hours after test ,the cells or batteries/在测试过程中以及之后6个小时内，电池或电池组样品： 1. External temperature not exceed 170℃/外表温度不超过170℃。 2. No disassembly, no rupture and no fire/无解体、无破裂和无着火现象发生。	The samples B1#~B4#: no disassembly, no rupture and no fire/样品B1#~B4#：无解体、无破裂以及无着火现象 The test data see table1 /测试数据见表 1	
38.3.4.6	**Test T.6: Impact / Crush / 测试 T. 6：撞击/挤压**		P
	Impact (applicable to cylindrical cells not less than 18mm in diameter) /撞击（适用于直径不小于18毫米的圆柱形电池）		N/A
	1. This test sample cell or component cell is to be placed on a flat smooth surface/将试验样品用的电池或组件电池放在一个平坦光滑的平面上。 2. A 15.8±0.1mm diameter, at least 6 cm long, or the longest dimension of the cell, whichever is greater, type 316 stainless bar is to be placed across the center of the sample, A 9.1kg mass is to be dropped from a height of 61±2.5cm 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 /将一根316型不锈钢棒横过电池中部放置，钢棒的直径为15.8毫米±0.1毫米，长度至少为6厘米，或电池最长端的长度，取二者之长者。将一质量为9.1千克±0.1千克的重锤从61±2.5厘米的高度落向钢棒与试样的交叉处,使用一个几乎没有摩擦的、对落体重锤阻力最小的垂直轨道或管道加以控制。垂直轨道或管道用于引导落锤沿与水平支撑表明呈90度落下。 3. The test sample is to be impacted with its longitudinal axis parallel to the flat		

ST/SG/AC.10/11/Rev.7/Section 38.3			
Clause 章节	**Requirements 标准要求**	**Result 测试结果**	**Verdict 判定**
	surface and perpendicular to the longitudinal axis of the 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/接受撞击的试样，纵轴应与平坦的表面平行并与横放在试样中心的直径15.8±0.1毫米弯曲表面的纵轴垂直。每一个试样只经受一次撞击。		
	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℃。 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，电池应无解体和无着火现象发生。	---	N/A
38.3.4.6	**Crush** (applicable to prismatic, pouch, coin/button cells and cylindrical cells less than 18mm in diameter)/挤压（适用于棱柱形、袋装、硬币/纽扣电池和直径小于18毫米的圆柱形电池）		P
	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 (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 the force to the widest side. A button/coin cell shall be crushed by applying the 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。		
	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℃。 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，电池应无解体和无着火现象发生。	The samples C1#~C10#: no disassembly and no fire/样品C1#~C10#：无解体、无着火现象 The test data see table2/测试数据见表2	
38.3.4.7	**Test T.7: Overcharge/测试 T.7：过充电**		P
	1. The charge current shall be twice the manufacturer's recommended maximum continuous charge current/以2倍制造厂推荐的最大持续充电电流对样品充电 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 38.3			
Clause 章节	**Requirements 标准要求**	**Result 测试结果**	**Verdict 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 70.08V and the current is 200A 试验的电压为70.08V ，电流为 200A	P
	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 B1#~B4#: no disassembly and no fire/样品B1#~B4#：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**		P
	Each cell shall be forced discharged at ambient temperature by connecting it in series with a 12 V D.C. power supply at an initial current equal to the maximum discharge current specified by the manufacturer/20±5℃的环境温度下，将单个电池连接在12V 的直流电源上进行强制放电，此直流电源提供给每个电池初始电流为制造厂指定的最大放电电流。		
	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)/指定的放电电流通过串联在测试电池上的合适大小和功率的负载来获得，每个电池的强制放电时间（小时）为额定容量除以初始电流（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。	The samples C11#~C30# : no disassembly and no fire /样品C11#~C30#：无解体、无着火现象 The test data see table4 /测试数据见表4	

Table1：T.1~T.5 / 表1：T.1~T.5					
Item/项目		B1#	B2#	B3#	B4#
OCV prior to test 试验前电压(V)		54.386	54.416	54.367	54.375
Mass prior to test 试验前质量(g)		86405	86500	86050	85895
T.1: Altitude Simulation高度模拟	Mass loss 质量损失(%)	0.000	0.000	0.000	0.000
	Change ratio 电压比(%)	99.993	99.991	99.989	99.993
T.2: Thermal test 温度试验	Mass loss 质量损失(%)	0.012	0.017	0.017	0.017
	Change ratio 电压比(%)	98.761	98.805	98.771	98.773
T.3: Vibration 振动	Mass loss 质量损失(%)	0.000	0.000	0.000	0.000
	Change ratio 电压比(%)	99.994	99.996	99.996	99.996
T.4: Shock 加速度冲击	Mass loss 质量损失(%)	0.000	0.000	0.000	0.000
	Change ratio 电压比(%)	100	100	99.998	100
T.5: External Short Circuit 外接短路	Temp, (℃) 温度 (℃)	57.0	56.5	56.8	56.9

Table 2: Crush/表 2：挤压											
T.6: Crush/ 挤压	Sample No, 样品号	C1#	C2#	C3#	C4#	C5#	C6#	C7#	C8#	C9#	C10#
	OCV prior to test 试验前电压(V)	3.303	3.303	3.302	3.302	3.303	3.302	3.303	3.302	3.303	3.302
	Temp, (℃) 温度 (℃)	24.7	24.3	24.5	24.5	24.6	24.7	24.2	23.9	24.3	24.3

Table3: Overcharge Test of batteries/ 表 3：电池过充试验					
T.7: Overcharge 过充电	Sample No, 样品号	B1#	B2#	B3#	B4#
	OCV prior to test 试验前电压（V）	54.368	54.379	54.391	54.359

Table 4：Forced discharge / 表 4：强制放电											
T.8: Forced discharge 强制放电	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)	2.689	2.706	2.762	2.684	2.769	2.715	2.698	2.706	2.715	2.734
	Sample No, 样品号	C21#	C22#	C23#	C24#	C25#	C26#	C27#	C28#	C29#	C30#
	OCV prior to test 试验前电压(V)	2.728	2.716	2.739	2.697	2.705	2.774	2.711	2.729	2.737	2.728

-- End of Report --