





中国认可 国际互认 检测 TESTING CNAS L6957

报告编号(Report No.): S-23040051A0

检测报告 TEST REPORT

NAME OF SAMPLE: Rechargeable Lithium-ion Cell

产品名称: 可充电式锂离子电芯

CLIENT: Zhejiang Liwinon Energy Technology Co., Ltd.

委托单位: 浙江锂威能源科技有限公司

CLASSIFICATION OF TEST: Commission test

检测类别: 委托测试

深圳普瑞赛思检测技术有限公司 Shenzhen Precise Testing Technology Co., Ltd.



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| Report No.:5-23040051A0 | Applicant information | | | |
|--------------------------------------|---|--|--|--|
| 申请资料 | | | | |
| Name of samples: 样品名称: | Rechargeable Lithium-ion Cell 可充电式锂离子电芯 | | | |
| Type/ Model: 型号规格: | 496584A 3.91V 4870mAh 19.05Wh | | | |
| Lithium content: 锂含量: | | | | |
| Trade mark: 商标: | | | | |
| Commission by: 委托单位: | Zhejiang Liwinon Energy Technology Co., Ltd. 浙江锂威能源科技有限公司 | | | |
| Commissioner address: 委托单位地址: | 111 Yanzhou Road, Lanjiang Street, Lanxi County, Jinhua City, Zhejiang Province, China. 浙江省金华市兰溪市兰江街道雁洲路111号 | | | |
| Manufacturer: 生产单位: | Zhejiang Liwinon Energy Technology Co., Ltd. 浙江锂威能源科技有限公司 | | | |
| Manufacturer address: 生产单位地址: | 111 Yanzhou Road, Lanjiang Street, Lanxi County, Jinhua City, Zhejiang Province, China. 浙江省金华市兰溪市兰江街道雁洲路111号 | | | |
| Appearance: 样品外观颜色: | Silver 银色 | | | |
| Sample Type 样品类型 | Rechargeable Li-ion Cell 可充式锂离子电芯 | | | |
| Sample status: 样品状态 : | Good 完好 | | | |
| Quantity of sample: 样品数量 : | 40pcs | | | |
| Sample identification: 样品标识序号: | c1# ~c40# | | | |
| Receiving date: 接样日期: | 2023-04-06 | | | |
| Testing date: 测试开始日期: | 2023-04-07 | | | |
| Completing date: 测试完成日期: | 2023-04-20 | | | |

Conclusion/结论:

The submitted samples comply with the requirements of UNITED NATIONS Section 38.3 of the seventh revised edition Amend.1 of the Recommendations on the Transport of Dangerous Goods, Manual of Test and Criteria(ST/SG/AC.10/11/Rev.7/Amend.1/Section 38.3)

样品符合联合国《关于危险货物运输的建议书试验和标准手册》第七修订版修正 1 第 38.3 节的要求。

Seal/报告专用章:

Date of issue: 2023-04-22

Reviewed by: 报告审核:



Approved by: 报告批准:





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| • | Test Conclusion测试结论 | | | | | |
|-----------|--------------------------------|---------------------|--------------------|--|--|--|
| No. 序号 | Name of test 测试项目名称 | Test result 测试结果 | Conclusion 本项结论 | | | |
| 1 | Altitude simulation 高度模拟 | See Appendix 1 | Р | | | |
| 2 | Thermal test 温度测试 | See Appendix 2 | Р | | | |
| 3 | Vibration 振动 | See Appendix 3 | Р | | | |
| 4 | Shock 冲击 | See Appendix 4 | Р | | | |
| 5 | External Short-circuit 外部短路 | See Appendix 5 | Р | | | |
| 6 | Crush 挤压 | See Appendix 6 | Р | | | |
| Ü | Impact 撞击 | See Appendix 6 | N/A | | | |
| 7 | Overcharge 过度充电 | See Appendix 7 | N/A | | | |
| 8 | Forced discharge 强制放电 | See Appendix 8 | Р | | | |

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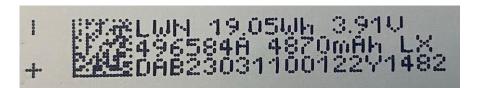
Report No.:S-23040051A0

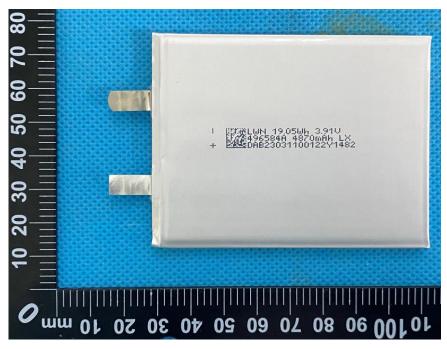
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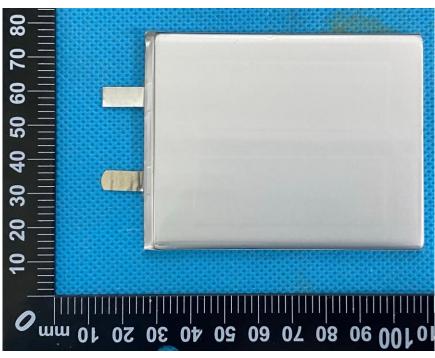
Photos of samples and markings

样品及标识照片

CELL(496584A 3.91V 4870mAh 19.05Wh)









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| | | | | endix 1 表 1 | | | |
|--------------------|---|----------------|------------------------|----------------|------------------------------------|-----------------------------------|----------------|
| Test Items 测试项目 | Altitude sim 高度模拟 | ulation | <u> </u> | <u> </u> | | | |
| 1.1 | Test procedure 测试步骤 | | | | | | |
| | Test cells and batteries shall be stored at a pressure of 11.6kPa or less for at least six hours at ambient temperature (20±5℃). 试验电池芯和电池在环境温度(20±5℃)下,储存在小于等于11.6kPa的压力下至少六小时。 | | | | | | |
| 1.2 | Sample sta 样品状态 | tus | | | | | |
| | states. | - | | | 10#, after 25 cycles 25个循环完全充电。 | _ | y charged |
| 1.3 | Result 测试结果 | | | | | | |
| Sample No. | | est测试前 | After Test测试后 | | Mass loss 质量损失 (%) | Residual OCV 剩余电压 (≥90%) | Test result |
| 样品编号 | Mass 样品质量 (g) | 样品质量 开路电压 样品质量 | Voltage 开路电压 (V) | 测试结果 | | | |
| c1# | 64.533 | 4.457 | 64.533 | 4.457 | 0.000 | 100.00 | 0 |
| c2# | 64.480 | 4.459 | 64.479 | 4.458 | 0.002 | 99.98 | 0 |
| c3# | 64.656 | 4.456 | 64.656 | 4.456 | 0.000 | 100.00 | 0 |
| c4# | 64.470 | 4.456 | 64.470 | 4.456 | 0.000 | 100.00 | 0 |
| c5# | 64.415 | 4.456 | 64.415 | 4.456 | 0.000 | 100.00 | 0 |
| c6# | 64.553 | 4.456 | 64.553 | 4.456 | 0.000 | 100.00 | 0 |
| c7# | 64.790 | 4.456 | 64.790 | 4.456 | 0.000 | 100.00 | 0 |
| c8# | 64.790 | 4.456 | 64.790 | 4.456 | 0.000 | 100.00 | 0 |
| c9# | 64.558 | 4.456 | 64.558 | 4.456 | 0.000 | 100.00 | 0 |
| c10# | 64.397 | 4.456 | 64.397 | 4.456 | 0.000 | 100.00 | 0 |

Note: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O-No leakage, no venting, no disassembly, no rupture, no fire.

注: L- 泄漏; V- 排气; D- 解体; R- 破裂; F- 起火; O- 无泄漏、无排气、无解体、无破裂、无起火。



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Page 6 of 14 Appendix 2 附表 2 Thermal test Test Items 测试项目 温度测试 Test procedure 1.1 测试步骤 Test cells and batteries are to be stored for at least six hours at a test temperature equal to 72±2°C, followed by storage for at least six hours at a test temperature equal to -40±2°C, The maximum time interval between test temperature extremes in 30 minutes, This procedure is to be repeated until 10 total cycles are complete, after which all test cells and batteries are to be stored for 24 hours at ambient temperature (20±5°C). 将电芯和电池在温度为72±2℃的条件下贮存不少于6个小时,然后,在温度-40±2℃条件下贮存不少 于6个小时,两个温度间的间隔最长为30min,重复操作上述步骤直到10次,然后,将其在环境温度为 20±5℃的条件下放置24个小时。 1.2 Sample status 样品状态 c1# ~ c5#, at first cycle in fully charged states; c6# ~ c10#, after 25 cycles ending in fully charged c1#~c5#,在第一个循环完全充电;c6#~c10#,在第25个循环完全充电。 Result 1.3 测试结果 Before Test测试前 After Test测试后 Residual Mass loss Test Sample No. Mass Voltage Mass Voltage OCV 质量损失 result 样品编号 样品质量 开路电压 样品质量 开路电压 剩余电压 测试结果 (%) (V) (V) (g) (g) (≥90%) 97.94 64.533 4.457 64.526 4.365 0.011 0 c1# 64.479 4.458 64.471 4.365 0.012 97.91 0 c2# c3# 64.656 4.456 64.649 4.362 0.011 97.89 0 64.470 4.456 64.464 4.364 0.009 97.94 0 c4# c5# 64.415 4.456 64.410 4.365 800.0 97.96 0 64.553 4.456 64.541 4.362 97.89 c6# 0.019 0 c7# 64.790 4.456 64.783 4.366 0.011 97.98 0 64.790 4.456 64.782 4.365 0.012 97.96 0 c8# c9# 64.558 4.456 64.551 4.365 0.011 97.96 0 4.364 c10# 64.397 4.456 64.389 0.012 97.94 0

Note: L-Leakage, V-Venting, D -Disassembly, R -Rupture, F-Fire, O-No leakage, no venting, no disassembly, no rupture, no fire.

注: L- 泄漏; V- 排气; D- 解体; R- 破裂; F- 起火; O- 无泄漏、无排气、无解体、无破裂、无起火。



64.541

64.783

64.782

64.551

64.389

c6#

c7#

c8#

c9#

c10#

4.362

4.366

4.365

4.365

4.364

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|--------------------|--|---|--|---|--|---|---|--|
| | | | Ар | pendix 3 | | | | |
| | | | ß | 付表 3 | | | | |
| Test Items 测试项目 | Vibration 振动 | | | | | | | |
| 1.1 | Test procedure | | | | | | | |
| 1.1 | 测试步骤 | | | | | | | |
| | cells in such wave form w minutes, Thi perpendicula 将电芯和电流 200Hz,然后 | a manner as rith a logarithr s cycle shall l ar mounting p 也牢固地安装 | to faithfully to mic sweep be be repeated 1 osition of the 在振动台的句 Hz为一个循环 | ransmit the vib etween 7 Hz and 2 times for a st cell. 台面上,然后是 不,一个循环持 | of the vibration mac pration, The vibration nd 200 Hz and back total of 3 hours for e 开始振动。振动以正 持续15分钟的对数扫频 | n shall be a sing to 7 Hz travers ach of three m E弦波形式,以 | usoidal sed in 15 utually 7Hz增加至 | |
| 1.2 | Sample stat 样品状态 | tus | | | | | | |
| | states. | • | , , | | c10#, after 25 cycle 第25个循环完全充电 | _ | y charged | |
| 1.3 | Result 测试结果 | | | | | | | |
| Sample No. | Before Te | est测试前 | After Te | est测试后 | Mass loss Residual OCV | | | |
| 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 (%) | result 测试结果 | | |
| c1# | 64.526 | 4.365 | 64.526 | 4.365 | 0.000 | 100.00 | 0 | |
| c2# | 64.471 | 4.365 | 64.471 | 4.365 | 0.000 | 100.00 | 0 | |
| c3# | 64.649 | 4.362 | 64.649 | 4.362 | 0.000 | 100.00 | 0 | |
| c4# | 64.464 | 4.364 | 64.464 | 4.364 | 0.000 | 100.00 | 0 | |
| c5# | 64.410 | 4.365 | 64.409 | 4.365 | 0.002 | 100.00 | 0 | |
| | | | | | | | _ | |

Note: L-Leakage, V-Venting, D -Disassembly, R -Rupture, F-Fire, O-No leakage, no venting, no disassembly, no rupture, no fire.

4.361

4.366

4.365

4.365

4.364

0.000

0.000

0.000

0.000

0.000

99.98

100.00

100.00

100.00

100.00

0

0

0

0

0

注: L- 泄漏; V- 排气; D- 解体; R- 破裂; F- 起火; O- 无泄漏、无排气、无解体、无破裂、无起火。

64.541

64.783

64.782

64.551

64.389



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Report No.:S-23040051A0 Page 8 of 14 Appendix 4 附表 4 Shock Test Items 测试项目 冲击 Test procedure 1.1 测试步骤 Test cells and batteries shall be secured to the testing machine, and each cell shall be subjected to a half-sine shock of peak acceleration of 150gn and pulse duration of 6 milliseconds. Large cells may be subjected to a half-sine shock of peak acceleration of 50gn and pulse duration of 11 milliseconds. Small batteries shall be subjected to a half-sine shock of peak acceleration of 150gn (or Acceleration(g_n)= $\sqrt{\frac{100850}{mass}}$, which is smaller) and pulse duration of 6 milliseconds, large batteries shall be subjected to a half-sine of peak acceleration of $50g_n$ (or Acceleration(g_n)= $\sqrt{\frac{90000}{mass}}$, which is smaller)and pulse duration of 11 milliseconds. 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 以稳固的托架固定住每个电芯和电池样品的全部配件表面。对每个电芯以峰值为150gn的半正弦的加 速度撞击,脉冲持续6毫秒,大型电芯须经受最大加速度50gn和脉冲持续时间11毫秒的半正弦波冲击。 对每个电池以峰值为150gn(或与⁽¹⁰⁸⁸⁾中的较小值)的半正弦的加速度撞击,脉冲持续6毫秒,大型电 池组须经受最大加速度 $50g_n$ (或与 $\sqrt[n]{mass}$ 中的较小值)和脉冲持续时间11毫秒的半正弦波冲击。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。 1.2 Sample status 样品状态 c1# ~ c5#, at first cycle in fully charged states; c6# ~ c10#, after 25 cycles ending in fully charged states. c1#~c5#, 在第一个循环完全充电; c6#~c10#, 在第25个循环完全充电。 Result 1.3 测试结果 Before Test测试前 After Test测试后 Residual Mass loss Test Sample No. **OCV** 质量损失 Mass Voltage Mass Voltage result 样品编号 剩余电压 开路电压 开路电压 样品质量 样品质量 测试结果 (%) (≥90%) (g) (V) (g) (V) c1# 64.526 4.365 64.526 4.365 0.000 100.00 0 64.471 4.365 64.471 100.00 c2# 4.365 0.000 0 64.649 4.362 64.649 4.362 0.000 100.00 0 c3# c4# 64.464 4.364 64.464 4.364 0.000 100.00 0 c5# 64.409 4.365 64.409 4.365 0.000 100.00 0 c6# 64.541 4.361 64.541 4.360 0.000 99.98 0 4.366 64.783 c7# 64.783 4.366 0.000 100.00 0 c8# 64.782 4.365 64.782 4.365 0.000 100.00 O 4.365 64.550 4.365 c9# 64.551 0.002 100.00 0 4.364 64.389 0.000 0 c10# 64.389 4.364 100.00

Note: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O-No leakage, no venting, no disassembly, no rupture, no fire.



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| 注: L- 泄漏; V- | 排气; D- 解体; R- 破裂; F - 起火; O- | 无泄漏、无排气、无解体、无 | 破裂、无起火。 | | | |
|---|--|--|---|--|--|--|
| Appendix 5 | | | | | | |
| - | 附表。 | 5 | | | | |
| Test Items 测试项目 | External short circuit 外部短路 | | | | | |
| 1.1 | Test procedure 测试步骤 | | | | | |
| | The cell or battery to be tested shall be tell temperature reaches 57±4℃ and then the condition with a total external resistance of condition is continued for at least one hou has returned to 57±4℃, the cell or battery to be concluded. 保持试验环境温度稳定在57±4℃,以使电池下,将其正负极用小于0.1欧姆的线路短接1小时以上,对电芯或电池必须进一步观察 | cell or battery shall be subject felss than 0.1 ohm at 57±4℃ rafter the cell or battery exter must be observed for a further burner b | eted to a short circuit , This short circuit nal case temperature er six hour for the test et4℃,然后,在此温度 | | | |
| 1.2 | Sample status 样品状态 | | | | | |
| | c1# ~ c5#, at first cycle in fully charged states; c6# ~ c10#, after 25 cycles ending in fully charged states. c1# ~ c5#, 在第一个循环完全充电; c6# ~ c10#, 在第25个循环完全充电。 | | | | | |
| 1.3 | Result 测试结果 | | | | | |
| Sample No. 样品编号 | Max. External Temperature 样品表面最高温度 (℃) | Test result 测试结果 | Remark 备注 | | | |
| c1# | 95.1 | 0 | / | | | |
| c2# | 121.8 | 0 | / | | | |
| c3# | 126.1 | 0 | / | | | |
| c4# | 119.0 | 0 | / | | | |
| c5# | 126.0 | 0 | / | | | |
| c6# | 118.0 | 0 | / | | | |
| c7# | 116.4 | 0 | / | | | |
| c8# | 122.4 | 0 | / | | | |
| c9# | 116.7 | 0 | / | | | |
| c10# | 128.7 O / | | | | | |
| Note: D –Disassembly, R –Rupture, F –Fire, OT –Over Temperature, O –no disassembly, no rupture, no fire, no Over temperature 注: D- 解体; R- 破裂; F- 起火; OT- 超过170℃; O- 无解体、无破裂、无起火、不超过170℃ | | | | | | |

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| | Appendix 6 | | | | |
| | | | | | |
| Test Items | Crush 挤压/Impact 撞击 | | | | |
| 测试项目 | | | | | |
| 1.1 | Test procedure | | | | |
| | 测试步骤 | | | | |
| | ⊠ Crush 挤压 | | | | |
| | 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. | | | | |
| | (a) The applied force reaches 13kN±0.78kN; | | | | |
| | (b) The voltage of the cell drops by at least 100 mV; or | | | | |
| | (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 | | | | |
| | 慢进行,直到下面三个选项之一达到为止: | | | | |
| | (a)作用力达到 13kN±0.78kN; | | | | |
| | (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%。 | | | | |
| | 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。 | | | | |
| | □ Impact 撞击 | | | | |
| | (applicable to cylindrical cells not less than 18mm in diameter) | | | | |
| | 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 \pm 0.1 kg mass is to be dropped from a height of 61 \pm 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. | | | | |
| | 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 \pm 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. | | | | |



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| | Appendix | 6 | | | | |
|------------|---|---|--------------|--|--|--|
| | 附表 6 | | | | | |
| Test Items | Crush 挤压/Impact 撞击 | | | | | |
| 测试项目 | | | | | | |
| | Cells and component cells meet this requirement if their external temperature does | | | | | |
| | not exceed 170°C and there is no d | not exceed 170°C and there is no disassembly and no fire during the test and within | | | | |
| | six hours after this test. | six hours after this test. | | | | |
| | (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15.8mm±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9.1kg±0.1kg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。 | | | | | |
| 1.2 | Sample status | | | | | |
| | 样品状态 | | | | | |
| | c11# ~ c15#, at first cycle at 50% of the design rated capacity; c16# ~ c20#, after 25 cycles ending at 50% of the design rated capacity. c11# ~ c15#, 在第一个循环50%的额定容量; c16# ~ c20#, 在第25个循环50%的额定 | | | | | |
| 1.3 | 容量。 Result | | | | | |
| 1.3 | 测试结果 | | | | | |
| Sample No. | Max. External Temperature | Test result | Remark | | | |
| 样品编号 | 样品表面最高温度(℃) | 测试结果 | 备注 | | | |
| c11# | 22.4 | 0 | 1 | | | |
| c12# | 22.1 | 0 | 1 | | | |
| c13# | 22.5 | 0 | / | | | |
| c14# | 22.3 | 0 | / | | | |
| c15# | 22.2 | 22.2 O / | | | | |
| c16# | 22.4 | 22.4 O / | | | | |
| c17# | 22.2 | 0 | / | | | |
| c18# | 22.4 | 0 | / | | | |
| c19# | 22.0 | 0 | / | | | |
| c20# | 22.0 | 0 | / | | | |
| | P. Pupturo F Fire OT Over Temperat | | fire no Over | | | |

Note: ${\bf D}$ -Disassembly, ${\bf R}$ -Rupture, ${\bf F}$ -Fire, ${\bf OT}$ -Over Temperature, ${\bf O}$ - no disassembly, no fire, no Over temperature

注: D- 解体; R- 破裂; F - 起火; OT- 超过170℃; O-无解体、无起火、不超过170℃



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| | Appendix 附表 7 | | | |
|--------------------|--|---|--|--|
| Test Items 测试项目 | Overcharge 过度充电 | | | |
| 1.1 | Test procedure 测试步骤 | | | |
| | When the manufacturer's recommend minimum voltage of the test shall be voltage of the or 22V, whichever is charge voltage is more than 18V, the maximum charge voltage. The charge current recommended by the manufacturer with the maximum charge voltage. The charge current recommended by the manufacturer with the maximum charge voltage. The charge current recommended by the manufacturer with the maximum charge voltage. The charge current recommended by the manufacturer with the maximum charge voltage. The charge current recommended by the manufacturer is recommended by the maximum charge voltage. | be the lesser of two times to see the lesser of two times to see charging voltage of the test ging current is 2 times of the ufacturer。 W,本测试的最小充电电压 小者。如果厂家推荐的充电 | he maximum charge urer's recommended at shall be 1.2 times ne maximum charging 应该是两倍的厂家标定 电压超过18V,充电电 | |
| 1.2 | Sample status 样品状态 | | | |
| | 1 | | | |
| 1.3 | Result 测试结果 | | | |
| Sample No. 样品编号 | Voltage Before test(V) 测试前开路电压(V) | Test result 测试结果 | Remark 备注 | |
| / | 1 | / | / | |
| | | | | |
| / | 1 | / | 1 | |
| / | / | / | / | |
| / / | / / | / / | / / | |
| / / / | / / / | / / / | / / / | |
| / / / / | / / / | / / / | / / / / / | |
| / / / / / / / | | / / / / | / / / / / / / | |

Note: **D** -Disassembly, **F**-Fire, **O**- no disassembly, no fire.

注: D- 解体; F- 起火; O-无解体、无起火。



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| Appendix 8 | | | | | |
|--------------------|---|---------------------|--------------------|--|---------------------|
| 附表 8 | | | | | |
| Test Items 测试项目 | Forced discharge 强制放电 | | | | |
| 1.1 | Test procedure 测试步骤 | | | | |
| | 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。 | | | | |
| 1.2 | Sample status 样品状态 | | | | |
| | c21# ~ c30#, at first cycle in fully discharged states; c31# ~ c40#, after 25 cycles ending in fully discharged states. c21# ~ c30#, 在第一个循环完全放电; c31# ~ c40#, 在第25个循环完全放电。 | | | | |
| 1.3 | Result 测试结果 | | | | |
| Sample No. 样品编号 | Voltage Before test 测试前开路电压 (V) | Test result 测试结果 | Sample No. 样品编号 | Voltage Before test 测试前开路电压 (V) | Test result 测试结果 |
| c21# | 3.587 | 0 | c31# | 3.598 | 0 |
| c22# | 3.597 | 0 | c32# | 3.594 | 0 |
| c23# | 3.583 | 0 | c33# | 3.579 | 0 |
| c24# | 3.588 | 0 | c34# | 3.580 | 0 |
| c25# | 3.587 | 0 | c35# | 3.583 | 0 |
| c26# | 3.597 | 0 | c36# | 3.583 | 0 |
| c27# | 3.581 | 0 | c37# | 3.584 | 0 |
| c28# | 3.583 | 0 | c38# | 3.587 | 0 |
| c29# | 3.590 | 0 | c39# | 3.590 | 0 |
| c30# | 3.584 | 0 | c40# | 3.581 | 0 |

Note: **D** -Disassembly, **F**-Fire, **O**- no disassembly, no fire.

注: D- 解体; F - 起火; O-无解体、无起火。



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注意事项

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Important Information

1. 本报告无批准人签名和"报告专用章"无效。

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