



中国认可  
检测  
TESTING  
CNAS L0748



170014233963



NO.1118070158

# 检 测 报 告

## Test Report

样品名称： 锂电池组 ICR18650 (3S2P) 11.1V 4400mAh 48.84Wh

Name of Sample: /

委托单位： 宁波鸿源电子科技有限公司

Consignor: Ningbo hongyuan electronics technology co., LTD



上海化工院检测有限公司

Shanghai Research Institute of Chemical Industry Testing Co., Ltd.

# 上海化工院检测有限公司 检测报告

Shanghai Research Institute of Chemical Industry  
Testing Co., Ltd. Test Report

NO. 1118070158

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|                             |                                                                                                                                                                                                                                                                       |                                            |                         |   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------|---|
| 样品名称<br>Name of Sample      | 中文<br>Chinese                                                                                                                                                                                                                                                         | 锂电池组 ICR18650 (3S2P) 11.1V 4400mAh 48.84Wh |                         |   |
|                             | 英文<br>English                                                                                                                                                                                                                                                         | /                                          |                         |   |
| 样品编号<br>Sample No.          | 1118070158                                                                                                                                                                                                                                                            |                                            |                         |   |
| 委托单位<br>Consignor           | 宁波鸿源电子科技有限公司<br>Ningbo hongyuan electronics technology co., LTD                                                                                                                                                                                                       |                                            |                         |   |
| 生产单位<br>Manufacturer        | 宁波鸿源电子科技有限公司<br>Ningbo hongyuan electronics technology co., LTD                                                                                                                                                                                                       |                                            |                         |   |
| 检测方法<br>Test method         | 联合国《关于危险货物运输的建议书 试验和标准手册》<br>ST/SG/AC.10/11/Rev.6 38.3 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6 38.3                                                                                    |                                            |                         |   |
| 判定标准<br>Criterion           | 联合国《关于危险货物运输的建议书 试验和标准手册》<br>ST/SG/AC.10/11/Rev.6 38.3 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6 38.3                                                                                    |                                            |                         |   |
| 样品外观<br>Appearance          | 蓝色塑料薄膜外壳<br>Blue Plastic film shell                                                                                                                                                                                                                                   |                                            |                         |   |
| 样品接受日期<br>Accepted Date     | 2018-07-16                                                                                                                                                                                                                                                            | 检测起始日期<br>Test Date                        | 2018-07-20 ~ 2018-08-23 |   |
| 检测项目<br>Test Items          | 高度模拟;热测试;振动;冲击;外短路;撞击;过充电;强制放电<br>Altitude simulation, Thermal test, Vibration, Shock, External short circuit, Impact, Overcharge, Forced discharge                                                                                                                   |                                            |                         |   |
| 检测结论<br>Conclusion          | 经检验,该样品符合联合国《关于危险货物运输的建议书 试验和标准手册》<br>ST/SG/AC.10/11/Rev.6 38.3标准要求。<br>The sample has passed the test items of UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6 38.3<br>生效日期(Date): 2018-08-24 |                                            |                         |   |
| 备注<br>Comment               | 可充电锂电池组Rechargeable Lithium Battery./                                                                                                                                                                                                                                 |                                            |                         |   |
| 委托单位地址<br>Consignor Address | /                                                                                                                                                                                                                                                                     |                                            | 邮政编码<br>Post Code       | / |

批准  
Approver:  
职务  
Title:

张一凡

副总工程师(Vice chief engineer)

审核  
Checker:

许强

编制  
Compiler:

夏志



# 上海化工院检测有限公司

## 检测报告

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| 序号<br>No.                              | 检测项目名称<br>Name of Test Items  | 标准要求或标准条款号<br>Standard requirement or The Clause Number of Standard                                                                       | 检测结果<br>Test Result     | 本项结论<br>Conclusion | 备注<br>Remark    |
|----------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------|-----------------|
| 1                                      | 高度模拟<br>Altitude simulation   | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 38.3 试验T.1<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.6 Section 38.3 Test T.1 | 见附表 1<br>See Appendix 1 | 合格<br>Passed       | /               |
| 2                                      | 热测试<br>Thermal test           | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 38.3 试验T.2<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.6 Section 38.3 Test T.2 | 见附表 2<br>See Appendix 2 | 合格<br>Passed       | /               |
| 3                                      | 振动<br>Vibration               | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 38.3 试验T.3<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.6 Section 38.3 Test T.3 | 见附表 3<br>See Appendix 3 | 合格<br>Passed       | /               |
| 4                                      | 冲击<br>Shock                   | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 38.3 试验T.4<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.6 Section 38.3 Test T.4 | 见附表 4<br>See Appendix 4 | 合格<br>Passed       | /               |
| 5                                      | 外短路<br>External short circuit | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 38.3 试验T.5<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.6 Section 38.3 Test T.5 | 见附表 5<br>See Appendix 5 | 合格<br>Passed       | /               |
| 6                                      | 撞击<br>Impact                  | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 38.3 试验T.6<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.6 Section 38.3 Test T.6 | 见附表 6<br>See Appendix 6 | 合格<br>Passed       | /               |
| 7                                      | 过充电<br>Overcharge             | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 38.3 试验T.7<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.6 Section 38.3 Test T.7 | 见附表 7<br>See Appendix 7 | 合格<br>Passed       | /               |
| 8                                      | 强制放电<br>Forced discharge      | 联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.6 38.3 试验T.8<br>UN Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.6 Section 38.3 Test T.8 | 见附表 8<br>See Appendix 8 | 合格<br>Passed       | /               |
| 检测环境条件<br>Test Environment Condition   |                               | 环境温度:22℃-24℃;环境湿度:/%<br>Ambient temperature:22℃-24℃;Ambient humidity:/%                                                                   |                         |                    |                 |
| 分包检验情况<br>Subcontracted Test Condition |                               | 检测项目<br>Test Item                                                                                                                         | /                       |                    |                 |
|                                        |                               | 分包实验室<br>Subcontracted Laboratory                                                                                                         | 名称<br>Name              | /                  | 邮编<br>Post Code |
|                                        |                               |                                                                                                                                           | 地址<br>Address           | /                  | 电话<br>Tel       |

SRICI Testing Co., Ltd. Test Report—Appendix 1 NO. 1118070158

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—A L L T H E B E S T —

## SRICI Testing Co., Ltd. Test Report—Appendix 3

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备注: L-泄漏 V-漏气 D-解体 R-破裂 F-起火 O-无泄漏、无漏气、无解体、无破裂、无起火。  
Note: L-Leakage V-Venting D-Disassembly R-Rupture F-Fire O-No Leakage, No Venting,  
No Disassembly, No Rupture & No Fire.





SRICI Testing Co., Ltd. Test Report—Appendix 5 NO. 1118070158

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SRICI Testing Co., Ltd. Test Report—Appendix 6 NO. 1118070158

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上海化工院检测有限公司  
检测报告-附表 7

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|--------------------|-------------------------------------|------------------------------|-------------------|
| 序号<br>No.          | 7                                   | 检测项目名称<br>Name of Test Items | 过充电<br>Overcharge |
| 样品编号<br>Sample No. | 样品状态<br>Sample Status               | 其他现象<br>Other Event          |                   |
| 014                | 1CYC完全充电<br>1CYC Fully charged      | O                            |                   |
| 015                | 1CYC完全充电<br>1CYC Fully charged      | O                            |                   |
| 016                | 1CYC完全充电<br>1CYC Fully charged      | O                            |                   |
| 017                | 1CYC完全充电<br>1CYC Fully charged      | O                            |                   |
| 018                | 50CYC完全充电<br>50CYC Fully charged    | O                            |                   |
| 019                | 50CYC完全充电<br>50CYC Fully charged    | O                            |                   |
| 020                | 50CYC完全充电<br>50CYC Fully charged    | O                            |                   |
| 021                | 50CYC完全充电<br>50CYC Fully charged    | O                            |                   |
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上海化工院检测有限公司  
检测报告-附表 8

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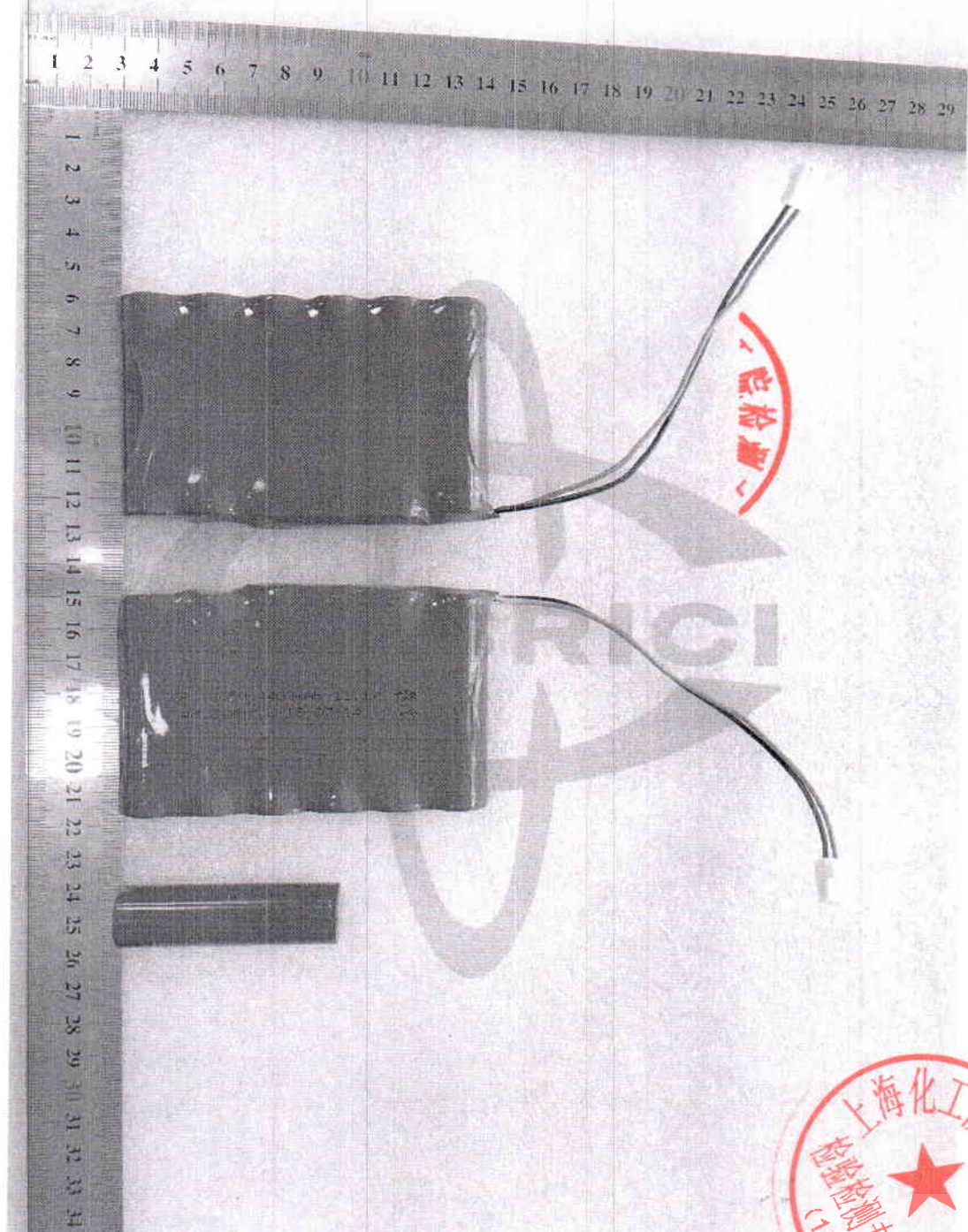
| 序号<br>No.          | 8                                   | 检测项目名称<br>Name of Test Items | 强制放电<br>Forced discharge |
|--------------------|-------------------------------------|------------------------------|--------------------------|
| 样品编号<br>Sample No. | 样品状态<br>Sample Status               | 其他现象<br>Other Event          |                          |
| 022                | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 023                | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 024                | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 025                | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 026                | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 027                | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 028                | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 029                | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 030                | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 031                | 1CYC完全放电<br>1CYC Fully discharged   | O                            |                          |
| 032                | 50CYC完全放电<br>50CYC Fully discharged | O                            |                          |
| 033                | 50CYC完全放电<br>50CYC Fully discharged | O                            |                          |
| 034                | 50CYC完全放电<br>50CYC Fully discharged | O                            |                          |
| 035                | 50CYC完全放电<br>50CYC Fully discharged | O                            |                          |
| 036                | 50CYC完全放电<br>50CYC Fully discharged | O                            |                          |
| 037                | 50CYC完全放电<br>50CYC Fully discharged | O                            |                          |
| 038                | 50CYC完全放电<br>50CYC Fully discharged | O                            |                          |
| 039                | 50CYC完全放电<br>50CYC Fully discharged | O                            |                          |
| 040                | 50CYC完全放电<br>50CYC Fully discharged | O                            |                          |
| 041                | 50CYC完全放电<br>50CYC Fully discharged | O                            |                          |

备注：D-解体 F-起火 O-无解体、无起火。  
Note: D-Disassembly F-Fire O-No Disassembly & No Fire.

上海化工院检测有限公司  
检测报告-附图

SRICI Testing Co., Ltd. Test Report—Appendix NO. 1118070158

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\*\*\*报告结束\*\*\*

