

锂电池/钠离子电池 UN38.3 试验概要 Test Summary

项目编号: TSZ25KH010A09-03

|                                                                 |                                                                                                     |                                                                                                                                                                                                                                                                                            |                                       |                                                |            |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------|------------|
| 单位信息 Company Information                                        |                                                                                                     |                                                                                                                                                                                                                                                                                            |                                       |                                                |            |
| 委托单位<br>Consignor                                               |                                                                                                     | 深圳市钠启动科技有限公司<br>Shenzhen Duraspark Technology CO., Ltd                                                                                                                                                                                                                                     |                                       |                                                |            |
| 生产单位<br>Manufacturer                                            |                                                                                                     | 惠州市钠启动科技有限公司 Huizhou Duraspark Technology CO., Ltd<br>广东省惠州市惠阳区镇隆镇楼下村大路背(伟业兴厂区)5 楼<br>5th Floor, (Weiyexing Factory Area) Dalubei, Louxia Village, Zhenlong Town, Huiyang District, Huizhou City, Guangdong Province<br>电话/Tel: 19874772838 邮箱/Mail: 13763116298@163.com<br>网址/Website: -- |                                       |                                                |            |
| 测试单位<br>Test Lab                                                |                                                                                                     | 深圳天溯计量检测股份有限公司 Shenzhen Tiansu Calibration and Testing Co., Ltd.<br>广东省深圳市龙岗区锦龙大道 2 号<br>No.2, Jinlong Avenue, Longgang District, Shenzhen, Guangdong, China<br>电话/Tel: 0755-89457984 邮箱/Mail: tsjc@tiansu.org<br>网址/Website: www.tiansu.org                                               |                                       |                                                |            |
| 电池信息 Battery Information                                        |                                                                                                     |                                                                                                                                                                                                                                                                                            |                                       |                                                |            |
| 名称<br>Name                                                      | 磷酸铁锂启动电池<br>LiFePO4 start battery                                                                   | 电池/电芯类别<br>Battery/Cell Classification                                                                                                                                                                                                                                                     |                                       | 锂离子电池<br>Li-ion Battery                        |            |
| 型号<br>Type                                                      | P181-AH9                                                                                            | 商标<br>Trademark                                                                                                                                                                                                                                                                            |                                       | /                                              |            |
| 额定电压<br>Normal Voltage                                          | 12.8V                                                                                               | 额定容量<br>Rated Capacity                                                                                                                                                                                                                                                                     |                                       | 81Ah                                           |            |
| 额定能量<br>Watt-hour rating                                        | 1036.8Wh                                                                                            | 外观/Appearance                                                                                                                                                                                                                                                                              |                                       | 蓝黑杂色 近长方体<br>Approximate Blue and Black Cuboid |            |
| 质量/Mass                                                         | 9.925kg                                                                                             | 锂含量/Li Content                                                                                                                                                                                                                                                                             |                                       | 不适用 N/A                                        |            |
| 测试信息 Test Information                                           |                                                                                                     |                                                                                                                                                                                                                                                                                            |                                       |                                                |            |
| 测试报告编号<br>Test Report Number                                    | TSZ25KH010A09-01                                                                                    | 测试报告签发日期<br>Date of Test Report                                                                                                                                                                                                                                                            |                                       | 2026-02-02                                     |            |
| 测试标准<br>Edition of UN Manual of Tests and Criteria Used         | 联合国《试验和标准手册》（第 8 版）38.3 节<br>UN "Manual of Tests and Criteria" ST/SG/AC.10/11/Rev.8/Subsection 38.3 |                                                                                                                                                                                                                                                                                            |                                       |                                                |            |
| T.1: 高度模拟<br>Altitude Simulation                                | 通过<br>Pass                                                                                          | T.2: 温度试验<br>Thermal Test                                                                                                                                                                                                                                                                  | 通过<br>Pass                            | T.3: 振动<br>Vibration                           | 通过<br>Pass |
| T.4: 冲击<br>Shock                                                | 通过<br>Pass                                                                                          | T.5: 外部短路<br>External Short Circuit                                                                                                                                                                                                                                                        | 通过<br>Pass                            | T.6: 撞击/挤压<br>Impact/Crush                     | 通过<br>Pass |
| T.7: 过度充电<br>Overcharge                                         | 通过<br>Pass                                                                                          | T.8: 强制放电<br>Forced Discharge                                                                                                                                                                                                                                                              | 通过<br>Pass                            | /                                              |            |
| UN38.3.3.1(f)或/or<br>UN38.3.3.2(d)                              | 不适用 N/A                                                                                             |                                                                                                                                                                                                                                                                                            | UN38.3.3.1(g)或/or<br>UN38.3.3.2(e)    |                                                | 不适用 N/A    |
| 主 检 Tested by<br>工程师 Engineer<br>蔡燕/Cai Yan                     | 蔡燕 Cai Yan                                                                                          |                                                                                                                                                                                                                                                                                            | 签发日期<br>Issued Date<br><br>2026-02-02 |                                                |            |
| 审 核 Reviewed by<br>项目主管 Project Supervisor<br>刘秋媛/July Liu      | 刘秋媛 July Liu                                                                                        |                                                                                                                                                                                                                                                                                            |                                       |                                                |            |
| 批 准 Approved by<br>技术总监 Technical director<br>段江涛/Duan jiangtao | 段江涛 Duanjiangtao                                                                                    |                                                                                                                                                                                                                                                                                            |                                       |                                                |            |