



# UN38.3 试验概要

## UN38.3 Test Summary



812500801406029

| 单位信息 Company information           |                                                                                                                                                                                                                                                                                                     |                                |                                                  |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------|
| 委托单位<br>Consignor                  | 广州明美新能源股份有限公司 TWS Technology(Guangzhou) Limited<br>广州市高新技术产业开发区科学城南云三路 39 号(1)栋首层、二层、三层(可作厂房使用) 1st, 2nd and 3rd Floor (can be used as a factory building), No. 39, Nanyunsan Road, Science City of Guangzhou High-tech Industrial Development Zone<br>020-22215111 Burning.Lin@tws.com www.tws.com |                                |                                                  |
| 生产单位<br>Manufacturer               | 广州明美新能源股份有限公司 TWS Technology(Guangzhou) Limited<br>广州市高新技术产业开发区科学城南云三路 39 号(1)栋首层、二层、三层(可作厂房使用) 1st, 2nd and 3rd Floor (can be used as a factory building), No. 39, Nanyunsan Road, Science City of Guangzhou High-tech Industrial Development Zone<br>020-22215111 Burning.Lin@tws.com www.tws.com |                                |                                                  |
| 测试单位<br>Test lab                   | 上海化工院检测有限公司 Shanghai Institute of Chemical Industry Testing Co., Ltd.<br>中国.上海.普陀区云岭东路 345 号, 200062 No.345 East Yunling Road, Putuo, Shanghai, China 200062<br>86-21-31765555 battery@ghs.cn www.ghs.cn                                                                                            |                                |                                                  |
| 电池信息 Battery information           |                                                                                                                                                                                                                                                                                                     |                                |                                                  |
| 名称<br>Name                         | 可充式锂离子电池组<br>Rechargeable Lithium-ion Battery Pack                                                                                                                                                                                                                                                  | 品牌<br>Brand                    | /                                                |
| 型号<br>Type                         | S31-LI-144-6400                                                                                                                                                                                                                                                                                     | 原始测试型号<br>Original tested type | /                                                |
| 标称电压(V)<br>Nominal voltage         | 14.4                                                                                                                                                                                                                                                                                                | 容量/能量<br>Capacity/energy       | Typ: 6400mAh 92.16Wh<br>Rat: 5800mAh 83.52Wh     |
| 描述<br>Description                  | 可充电锂离子电池组<br>Rechargeable Li-ion battery                                                                                                                                                                                                                                                            | 锂含量(g)<br>Li content           | /                                                |
| 质量(kg)<br>Mass                     | 0.390                                                                                                                                                                                                                                                                                               | 外观<br>Appearance               | 蓝色, 黑色双色塑料薄膜外壳 blue and black plastic film shell |
| 测试信息 Test information              |                                                                                                                                                                                                                                                                                                     |                                |                                                  |
| 原报告编号<br>Original test report No.  | 1125110770                                                                                                                                                                                                                                                                                          | 测试报告日期<br>Date of test report  | 2025-12-21                                       |
| 测试标准<br>Test standard              | 联合国《试验和标准手册》第 38.3 章 UNITED NATIONS Manual of Tests and Criteria 38.3 ST/SG/AC.10/11/Rev.8                                                                                                                                                                                                          |                                |                                                  |
| T.1 高度模拟<br>Altitude simulation    | 合格 Passed                                                                                                                                                                                                                                                                                           | T.2 温度测试<br>Thermal test       | 合格 Passed                                        |
| T.3 振动测试<br>Vibration              | 合格 Passed                                                                                                                                                                                                                                                                                           | T.4 冲击测试<br>Shock              | 合格 Passed                                        |
| T.5 外部短路<br>External short circuit | 合格 Passed                                                                                                                                                                                                                                                                                           | T.6 撞击<br>Impact               | 合格 Passed                                        |
| T.7 过度充电<br>Overcharge             | 合格 Passed                                                                                                                                                                                                                                                                                           | T.8 强制放电<br>Forced discharge   | 合格 Passed                                        |
| 38.3.3 (f)                         | /                                                                                                                                                                                                                                                                                                   | 38.3.3 (g)                     | /                                                |





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### 样品图片 Sample Picture



|                          |                                                                                                                                                                                     |                     |            |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| 结论<br>Conclusion         | 测试样品符合联合国《试验和标准手册》ST/SG/AC.10/11/Rev.838.3 标准要求。The tested samples meet the requirements of test items of the UNITED NATIONS Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 38.3 |                     |            |
| 备注<br>Remark             | /                                                                                                                                                                                   |                     |            |
| 签名 Signature<br>职务 Title | 王寅<br>副总工程师 Vice chief engineer                                                                                                                                                     | 签发日期<br>Issued date | 2025-12-24 |

-验证码:826867-

\*\*\*报告结束\*\*\*