

# UN38.3 测试报告

## UN38.3 Test Report

报告编号  
Report No. RHDTL260327088

样品名称及型号  
便携式储能电源 DZM06

Sample Name  
&Model Portable energy storage power supply DZM06

委托单位  
中山市韩咪茄新能源科技有限公司

Consignor  
Zhongshan Hanmijia New Energy Technology  
Co., Ltd.

东莞市鸿鼎储能检测技术有限公司  
Dongguan HDTL Technology Co., Ltd.



地址: 广东省东莞市东城街道金中路5号1栋101室 邮政编码: 523121  
电话: 15015165612 E-mail: official@hdtl-lab.com 网址/Website: <https://www.hdtl-lab.com/>

|  |   |                     |  |
|--|---|---------------------|--|
| 委托人<br>Applicant                       | 中山市韩咪茄新能源科技有限公司<br>Zhongshan Hanmijia New Energy Technology Co., Ltd.   |                     |  |
| 委托人地址<br>Applicant's address           | 中山市东风镇民乐社区万源街一巷七号三层之二<br>2nd Floor, No.7, Lane 1, Wanyuan Street, Minle Community, Dongfeng Town, Zhongshan City  |                     |  |
| 制造商<br>Manufacturer                    | 星恒电源股份有限公司<br>Phylion Battery Co., Ltd  |                     |  |
| 制造商地址<br>Manufacturer's address        | 广东省中山市东风镇健民街5巷1号<br>No.1, Lane 5, Jianmin Street, Dongfeng Town, Zhongshan City, Guangdong Province   |                     |  |
| 联系电话<br>Telephone Number               | 15625280204   |                     |  |
| 邮件地址<br>Email address                  | 1284085021@qq.com   |                     |  |
| 网址<br>Website                          | /   |                     |  |
| 样品名称<br>Sample Name                    | 便携式储能电源<br>Portable energy storage power supply   |                     |  |
| 样品型号<br>Sample Model                   | DZM06   |                     |  |
| 样品外观<br>Appearance                     | 黑色近长方体, 尺寸:330.8*240.1*84.1 (mm)<br>Approximate Black Cuboid, size:330.8*240.1*84.1 (mm)  |                     |  |
| 商标<br>Trademark                        | /   |                     |  |
| 测试方法和判定标准<br>Test method and criterion | 联合国《试验和标准手册》第八修正版 38.3 章节<br>United Nations Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8/Subsection 38.3   |                     |  |
| 样品接收日期<br>Accepted date                | 2026.03.27  | 测试起讫日期<br>Test date | 2026.03.27~2026.04.15  |
| 测试项目<br>Test items                     | 高度模拟、温度试验、振动、冲击、外部短路、撞击/挤压、过度充电、强制放电。<br>Altitude simulation, Thermal test, Vibration, Shock, External short circuit, Impact/Crush, Overcharge, Forced discharge.   |                     |  |
| 测试结论<br>Conclusion                     | 检验结论:<br>Test conclusion:<br>由中山市韩咪茄新能源科技有限公司送检的便携式储能电源, 根据联合国《试验和标准手册》第八修正版 38.3 章节进行检测。<br>The Portable energy storage power supply submitted for inspection by Zhongshan Hanmijia New Energy Technology Co., Ltd. are tested according to United Nations Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8/Subsection 38.3.<br>检验结果: 通过<br>Test result: Pass<br>签发日期(Issue date): 2026.04.15 |                     |  |
| 主检<br>Tested by:                       |    | 审核<br>Checked by:   | <br> |

| 参数信息<br>Parameter information        |  |                                     |              |
|--------------------------------------|--|-------------------------------------|--------------|
| 移动电源 Power Bank                      |  |                                     |              |
| 型号<br>Model                          | DZM06  | 电芯个数<br>Cells Number                | 6PCS(1S6P)   |
| 额定值<br>Ratings                       | 3.2V,30000mAh,96Wh   | 质量<br>Mass                          | 4353.20g     |
| 技术参数<br>Technical specification      | Capacity: 3.2V,30000mAh,96Wh<br>Output: 5V/2.1A<br>Input : 5V/2A |                                     |              |
| 电芯 Cell                              |  |                                     |              |
| 型号<br>Model                          | 星恒   | 单电芯额定值<br>Ratings of single cell    | 5000mAh,16Wh |
| 标称电压<br>Nominal Voltage              | 3.2V   | 电芯形状<br>Appearance                  | 方形<br>square |
| 标准充电电流<br>Standard Charge Current    | 1A   | 最大充电电流<br>Max Charge Current        | 5A           |
| 标准放电电流<br>Standard Discharge Current | 1A   | 最大放电电流<br>Max Discharge Current     | 5A           |
| 充电限制电压<br>Limited Charge Voltage     | 3.65V  | 放电终止电压<br>Discharge Cut-off Voltage | 2.5V         |

| 序号<br>No.                            | 测试项目名称<br>Name of test         | 标准要求或标准条款号<br>Standard requirement or the clause number of standard   | 测试结果<br>Test result     | 本项结论<br>Test conclusion | 备注<br>Remarks |
|--------------------------------------|--------------------------------|---|-------------------------|-------------------------|---------------|
| 1                                    | 高度模拟<br>Altitude simulation    | 联合国《试验和标准手册》第八修正版 38.3 章节<br>United Nations Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.8/Subsection 38.3<br>试验 T.1 Test T.1 | 见附表 1<br>See Appendix 1 | 合格<br>Passed            | /             |
| 2                                    | 温度试验<br>Thermal test           | 联合国《试验和标准手册》第八修正版 38.3 章节<br>United Nations Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.8/Subsection 38.3<br>试验 T.2 Test T.2 | 见附表 2<br>See Appendix 2 | 合格<br>Passed            | /             |
| 3                                    | 振动<br>Vibration                | 联合国《试验和标准手册》第八修正版 38.3 章节<br>United Nations Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.8/Subsection 38.3<br>试验 T.3 Test T.3 | 见附表 3<br>See Appendix 3 | 合格<br>Passed            | /             |
| 4                                    | 冲击<br>Shock                    | 联合国《试验和标准手册》第八修正版 38.3 章节<br>United Nations Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.8/Subsection 38.3<br>试验 T.4 Test T.4 | 见附表 4<br>See Appendix 4 | 合格<br>Passed            | /             |
| 5                                    | 外部短路<br>External short circuit | 联合国《试验和标准手册》第八修正版 38.3 章节<br>United Nations Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.8/Subsection 38.3<br>试验 T.5 Test T.5 | 见附表 5<br>See Appendix 5 | 合格<br>Passed            | /             |
| 6                                    | 撞击/挤压<br>Impact/Crush          | 联合国《试验和标准手册》第八修正版 38.3 章节<br>United Nations Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.8/Subsection 38.3<br>试验 T.6 Test T.6 | 见附表 6<br>See Appendix 6 | 合格<br>Passed            | /             |
| 7                                    | 过度充电<br>Overcharge             | 联合国《试验和标准手册》第八修正版 38.3 章节<br>United Nations Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.8/Subsection 38.3<br>试验 T.7 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《试验和标准手册》第八修正版 38.3 章节<br>United Nations Manual of Tests and Criteria<br>ST/SG/AC.10/11/Rev.8/Subsection 38.3<br>试验 T.8 Test T.8 | 见附表 8<br>See Appendix 8 | 合格<br>Passed            | /             |
| 测试环境条件<br>Test environment condition |                                | 环境温度: 20°C-25°C; 环境湿度: 45%-75%<br>Ambient temperature: 20°C-25°C; Ambient humidity: 45%-75%   |                         |                         |               |











附表 6  
 Appendix 6

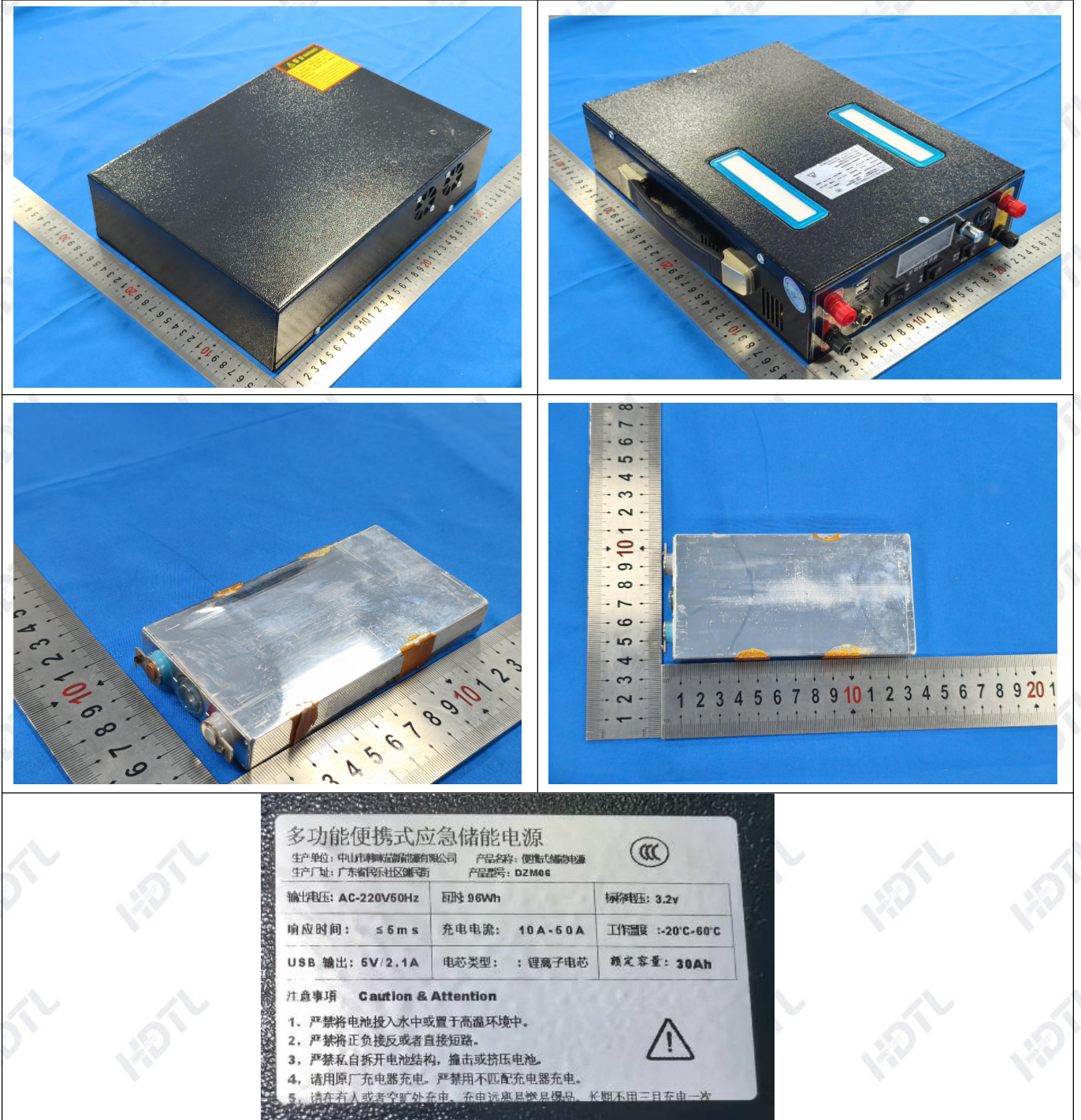
| 序号<br>No.   | T.6                               | 测试项目名称<br>Name of Test Items               | 撞击<br>Impact        | 不适用<br>Not applicable |
|---|-----------------------------------|--|---------------------|-----------------------|
|   |                                   |  | 挤压<br>Crush         | 合格<br>PASS            |
| 样品编号<br>Sample No   | 样品状态<br>Sample status             | 样品表面最高温度<br>Max. External Temperature (°C) | 测试结果<br>Test result | 备注<br>Remark          |
| C1  | 首次 50%容量<br>1 CYC 50% Capacity    | 25.2                                       | O                   | /                     |
| C2  | 首次 50%容量<br>1 CYC 50% Capacity    | 25.5                                       | O                   | /                     |
| C3  | 首次 50%容量<br>1 CYC 50% Capacity    | 25.8                                       | O                   | /                     |
| C4  | 首次 50%容量<br>1 CYC 50% Capacity    | 24.9                                       | O                   | /                     |
| C5  | 首次 50%容量<br>1 CYC 50% Capacity    | 25.4                                       | O                   | /                     |
| C6  | 25 次 50%容量<br>25 CYC 50% Capacity | 25.4                                       | O                   | /                     |
| C7  | 25 次 50%容量<br>25 CYC 50% Capacity | 25.5                                       | O                   | /                     |
| C8  | 25 次 50%容量<br>25 CYC 50% Capacity | 25.6                                       | O                   | /                     |
| C9  | 25 次 50%容量<br>25 CYC 50% Capacity | 26.1                                       | O                   | /                     |
| C10   | 25 次 50%容量<br>25 CYC 50% Capacity | 25.7                                       | O                   | /                     |
| 以下空白  |                                   |  |                     |                       |
|   |                                   |  |                     |                       |
|   |                                   |  |                     |                       |
|   |                                   |  |                     |                       |
|   |                                   |  |                     |                       |
|   |                                   |  |                     |                       |
|   |                                   |  |                     |                       |
|   |                                   |  |                     |                       |
|   |                                   |  |                     |                       |
| 注: D-解体; F-起火; O-无解体、无起火、外表温度不超过 170°C<br>Note: D-Disassembly, F-Fire, O- No disassembly, no fire, external temperature not exceed 170°C. |                                   |  |                     |                       |



附表 8  
 Appendix 8

| 序号<br>No.  | T.8                                 | 测试项目名称<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               | 测试结果<br>Test result          | 备注<br>Remark             |
| C11  | 首次完全放电<br>1 CYC Fully Discharged    | O                            | /                        |
| C12  | 首次完全放电<br>1 CYC Fully Discharged    | O                            | /                        |
| C13  | 首次完全放电<br>1 CYC Fully Discharged    | O                            | /                        |
| C14  | 首次完全放电<br>1 CYC Fully Discharged    | O                            | /                        |
| C15  | 首次完全放电<br>1 CYC Fully Discharged    | O                            | /                        |
| C16  | 首次完全放电<br>1 CYC Fully Discharged    | O                            | /                        |
| C17  | 首次完全放电<br>1 CYC Fully Discharged    | O                            | /                        |
| C18  | 首次完全放电<br>1 CYC Fully Discharged    | O                            | /                        |
| C19  | 首次完全放电<br>1 CYC Fully Discharged    | O                            | /                        |
| C20  | 首次完全放电<br>1 CYC Fully Discharged    | O                            | /                        |
| C21  | 25 次完全放电<br>25 CYC Fully Discharged | O                            | /                        |
| C22  | 25 次完全放电<br>25 CYC Fully Discharged | O                            | /                        |
| C23  | 25 次完全放电<br>25 CYC Fully Discharged | O                            | /                        |
| C24  | 25 次完全放电<br>25 CYC Fully Discharged | O                            | /                        |
| C25  | 25 次完全放电<br>25 CYC Fully Discharged | O                            | /                        |
| C26  | 25 次完全放电<br>25 CYC Fully Discharged | O                            | /                        |
| C27  | 25 次完全放电<br>25 CYC Fully Discharged | O                            | /                        |
| C28  | 25 次完全放电<br>25 CYC Fully Discharged | O                            | /                        |
| C29  | 25 次完全放电<br>25 CYC Fully Discharged | O                            | /                        |
| C30  | 25 次完全放电<br>25 CYC Fully Discharged | O                            | /                        |
| 注: D-解体; F-起火; O-无解体、无起火<br>Note: D-Disassembly, F-Fire, O- No disassembly, no fire. |                                     |                              |                          |

## 样品图片 Sample Photo



## 注意事项

### Important Notice

1. 本报告书无批准人、审核人、及主检人签名无效。  
The test report is invalid without the signatures of Ratifier, Reviewer and Testing engineer.
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The test report is valid for the tested samples only.
7. 本报告中的中文内容仅供参考。  
The Chinese contents in this report are only for reference.
8. 对报告书若有异议, 应于收到报告之日起 15 天内向本公司提出。  
Objections to the test report must be submitted to HDTL within 15 days.

\*\*\*报告结束\*\*\*

\*\*\*End of report\*\*\*