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CNAS L5772

UN38.3 测试报告

UN38.3 Test Report

报告编号

PTC25101019801B-LD01

Report No.

样品名称及型号

磷酸铁锂电池组

WVLVS-48314W

Sample Name
& Model

LITHIUM IRON PHOSPHATE BATTERY PACK
(LiFePO₄)

WVLVS-48314W

委托单位

为宇新能源科技（重庆）有限公司

Consignor

WeVolt Renewable Energy Technology Co., Ltd.

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委托单位 Consignor	为宇新能源科技（重庆）有限公司 WeVolt Renewable Energy Technology Co., Ltd. 重庆市江北区创富路科技金融中心 1 幢 4 楼 401 401, 4th Floor, Building 1, Science and Technology Financial Center, Chuangfu Road, Jiangbei District, Chongqing		
生产单位 Manufacturer	广东高斯宝电气股份有限公司 GUANGDONG GOSPOWER ELECTRIC TECHNOLOGY CO., LTD. 广东省东莞市松山湖园区兴业路 5 号 1 栋 Building 1, No.5, Xingye Road, Songshan Lake Park, Dongguan, Guangdong, China 电话/Tel: 13554827495 邮箱/Mail: lzping@gospower.com		
样品名称 Sample Name	磷酸铁锂电池组 LITHIUM IRON PHOSPHATE BATTERY PAC K(LiFePO4)	电池/电芯类别 Battery/Cell Classification	锂离子电池 Li-ion Battery
样品型号 Sample Model	WVLVS-48314W	商标 Trademark	
样品外观 Appearance	黑白色近长方体 Black and White Almost Cuboid	尺寸 Size	(854*465*240) mm
测试方法和判定标准 Test method and criterion	联合国《试验和标准手册》（第八修订版）第 38.3 章节 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3		
样品接收日期 Accepted date	2025.09.11	测试起讫日期 Test date	2025.09.12 ~ 2025.10.17
测试项目 Test items	高度模拟、温度试验、振动、冲击、外部短路、挤压/撞击、过度充电、强制放电。 Altitude simulation, Thermal test, Vibration, Shock, External short circuit, Crush/Impact, Overcharge, Forced discharge.		
测试结论 Conclusion	检验结论： Test conclusion: 由为宇新能源科技（重庆）有限公司送检的磷酸铁锂电池组，根据联合国《试验和标准手册》（第八修订版）第 38.3 章节进行检测。 The LITHIUM IRON PHOSPHATE BATTERY PACK(LiFePO4) submitted by WeVolt Renewable Energy Technology Co., Ltd. are tested according to UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3. 检验结果：通过 Test result: Pass		
备注 Remark	/		
主检 Tested by:	 Mickey Zhu	 批准 Approved by: 签发日期 Issue date: 1	 Starry Li
审核 Checked by:	 Curly Hu		2025.10.18



参数信息 Parameter information		
产品 Product	电芯 Cell	电池 Battery
型号 Model	CB75	WVLVS-48314W
标称电压 Nominal Voltage	3.2V	51.2V
额定容量 Rated Capacity	314Ah	314Ah (16076.8Wh)
充电限制电压 Limited Charge Voltage	3.65V	58.4V
标准充电电流 Standard Charge Current	150A	150A
标准放电电流 Standard Discharge Current	150A	150A
最大充电电流 Max Charge Current	150A	150A
最大放电电流 Max Discharge Current	200A	200A
充电截止电流 End Charge Current	6.28A	6.28A
终止电压 Cut-off Voltage	2.8V	44.8V
重量 Weight	5.78kg	120.5kg
电芯个数 Cells Number	16pcs(16S1P)	



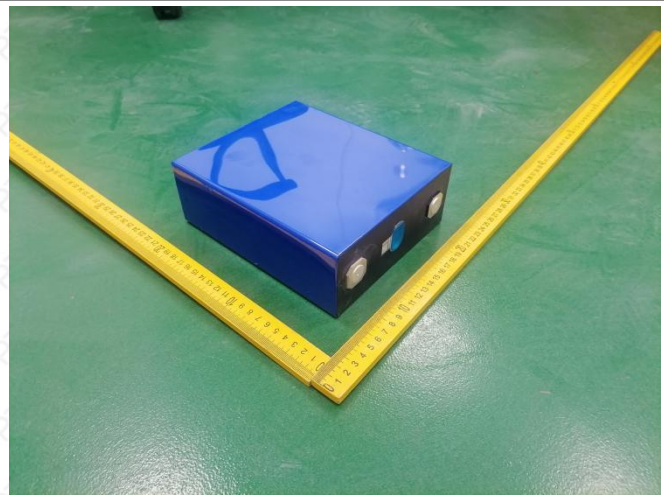
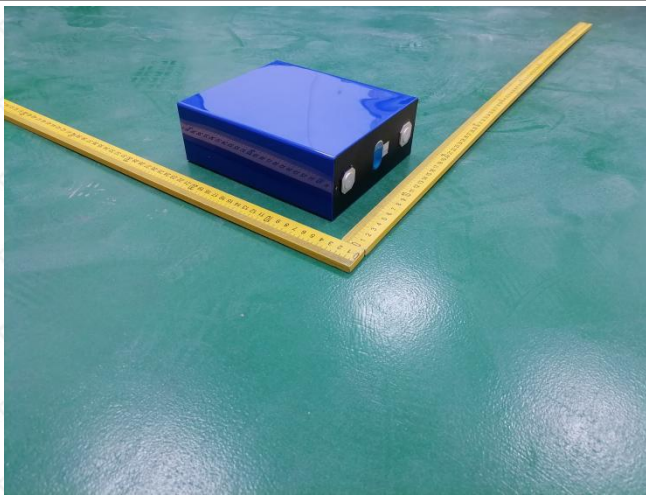
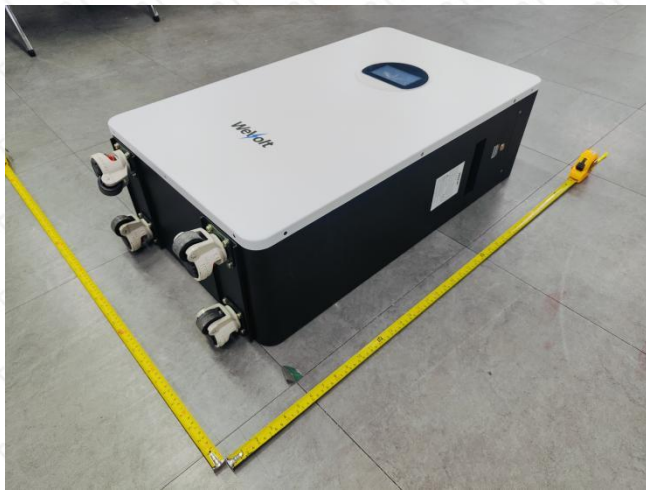
序号 No.	测试项目名称 Name of test	标准要求或标准条款号 Standard requirement or the clause number of standard	测试结果 Test result	本项结论 Test conclusion	备注 Remarks
1	高度模拟 Altitude simulation	联合国《试验和标准手册》（第八修订版）第 38.3 章节 UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8 Section 38.3 试验 T.1 Test T.1	见附表 1 See Appendix 1	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

附表 8
Appendix 8

序号 No.	8	测试项目名称 Name of Test Items	强制放电 Forced discharge
样品编号 Sample No	样品状态 Sample status	测试结果 Test result	备注 Remark
C11	首次完全放电 1 CYC Fully Discharged	O	/
C12	首次完全放电 1 CYC Fully Discharged	O	/
C13	首次完全放电 1 CYC Fully Discharged	O	/
C14	首次完全放电 1 CYC Fully Discharged	O	/
C15	首次完全放电 1 CYC Fully Discharged	O	/
C16	首次完全放电 1 CYC Fully Discharged	O	/
C17	首次完全放电 1 CYC Fully Discharged	O	/
C18	首次完全放电 1 CYC Fully Discharged	O	/
C19	首次完全放电 1 CYC Fully Discharged	O	/
C20	首次完全放电 1 CYC Fully Discharged	O	/
C21	25次完全放电 25 CYC Fully Discharged	O	/
C22	25次完全放电 25 CYC Fully Discharged	O	/
C23	25次完全放电 25 CYC Fully Discharged	O	/
C24	25次完全放电 25 CYC Fully Discharged	O	/
C25	25次完全放电 25 CYC Fully Discharged	O	/
C26	25次完全放电 25 CYC Fully Discharged	O	/
C27	25次完全放电 25 CYC Fully Discharged	O	/
C28	25次完全放电 25 CYC Fully Discharged	O	/
C29	25次完全放电 25 CYC Fully Discharged	O	/
C30	25次完全放电 25 CYC Fully Discharged	O	/

注: D-解体; F-起火; O-无解体、无起火
Note: D-Disassembly, F-Fire, O- No disassembly, no fire.

样品图片 Sample Photo



WeVOLT

Modeltype:WVLVS-48314W	
Rated capacity:314Ah	Watt-hour:16076.8WH
Nominal voltage:51.2V	Weight of battery:120.5Kg
LITHIUM IRON PHOSPHATE BATTERY PACK(LiFePO4)	
Battery designation: IFpP74/176/209/[16S]M/-30+60/95	
Recommended charge:150A(0.5C) charge to 58.4V CC/CV	
Max charge/discharge current (A):150A/200A	

 **WARNING**

CONSULT THE USERS MANUAL PRIOR TO OPERATING THE BATTERY!

WARNING: Risk of fire explosion or burns;

- DO NOT short the battery terminals.
- DO NOT incinerate crush or disassemble.
- DO NOT reverse connections (polarity) from charge to battery.
- DO NOT over charge or over discharge.
- DO NOT operate battery beyond published voltage current and temperature limits.



注意事项

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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 PTC within 15 days.

报告结束

End of report