



UN38.3 Test Report

UN38.3 测试报告

Client Name
委托单位 : **ZHONGRUI GREEN ENERGY TECHNOLOGY (SHENZHEN) CO., LTD**
中瑞绿能技术（深圳）有限公司

Client Address
单位地址 : **Block B0302, Building 1, Skyworth Technology center, No.12 Gaoke Avenue, Baolong Community, Baolong Street, Longgang District, Shenzhen City.**
深圳市龙岗区宝龙街道宝龙社区高科大道 12 号创维创客天地科技城 1 栋-B0302

Product Name
产品名称 : **Lithium-ion Battery**
锂离子蓄电池

Report Date
报告日期 : **2024.12.18**

Shenzhen Anbotek Compliance Laboratory Limited
深圳安博检测股份有限公司



1. SAMPLE DESCRIPTION 样品描述:

Sample Name: 样品名称	Lithium-ion Battery 锂离子蓄电池	Sample Model: 样品型号	ZR-PBX1		
Manufacturer: 制造商	Rui Zhi Xin Neng Yuan (Huizhou) Co., Ltd. 瑞智新能源(惠州)有限公司				
Address of manufacturer: 制造商地址	Kangyi Industrial Park, Yuhe Road, Sanhe Street, Huiyang District, Huizhou, Guangdong 516213, China 广东省惠州市惠阳区三和街道御和路康易工业园				
Factory: 工厂	Rui Zhi Xin Neng Yuan (Huizhou) Co., Ltd. 瑞智新能源(惠州)有限公司				
Address of factory: 工厂地址	Kangyi Industrial Park, Yuhe Road, Sanhe Street, Huiyang District, Huizhou, Guangdong 516213, China 广东省惠州市惠阳区三和街道御和路康易工业园				
Battery Nominal Voltage: 电池标称电压	51.2V	Rated Capacity: 额定容量	100Ah 5120Wh	Trademark: 商标	ZRGP
Standard Charge Current: 标准充电电流	20A	Maximum Charge Current: 最大充电电流	100A	Limited Charge Voltage: 充电限制电压	56.8V
Standard Discharge Current: 标准放电电流	100A	Maximum Discharge Current: 最大放电电流	100A	Discharge Cut-off Voltage: 放电终止电压	47V
Cells Number: 内含电芯个数	16PCS, (16S1P)	Cell Model: 电芯型号	CB2717320 4EA-100Ah	Cell Rated Capacity: 电芯额定容量	100Ah
Date of Sample Received: 样品接收日期	2024.11.13				
Date of Test: 检测日期	2024.11.13~11.29				
Written by 编制	杨艳萍	Checked by 审核	朱	Approved by 批准	朱浩



2. REFERENCE METHOD 参考方法

UN "Manual of Tests and Criteria" Eighth revised edition ST/SG/AC.10/11/Rev.8/Subsection 38.3
联合国《试验和标准手册》第八修订版 38.3 节

3. EQUIPMENT LIST 设备清单

Name of equipment /Model
设备名称/型号
Battery charging and discharging system
电池充放电系统
Altitude Simulation Testing Machine
模拟高空低压试验箱
High Fast Temperature&Humidity Chamber
快速温变箱
Vibration Testing Machine
振动试验机
Shock Testing Machine
机械冲击台
Short Circuit Testing Machine
短路试验机
Battery Internal resistance
电池内阻测试仪
Battery Extrusion Testing Machine
电池挤压试验机
DC Power Supply
直流电源
Electronic loading
电子负载
Multimeter
万用表
Electronic Balance
电子天平
Data Acquisition/Swith Unit
温升记录仪

4. ENVIRONMENTAL CONDITIONS OF THE TEST 环境条件

Temperature: (20±5) °C R.H.: (25~75) %RH
温度 相对湿度

