

# 广州海关技术中心

GUANGZHOU CUSTOMS DISTRICT TECHNOLOGY CENTER



中国认可  
国际互认  
检测  
TESTING  
CNAS L2322

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网址: [www.iqtc.cn](http://www.iqtc.cn) 邮编: 510623

Add: Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Tianhe District, Guangzhou, China

Website: [www.iqtc.cn](http://www.iqtc.cn) Postcode: 510623

No: 01052100002466-1(E)

Date: 2021-06-16

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## UN38.3 报告

### UN38.3 Test Report

样品名称: 锂离子电池组

Sample Name: Lithium Ion Battery Pack

委托单位: 深圳时代能创能源科技有限公司

Applicant: Shenzhen Ates Power Technology Co.,Ltd.



RB42EM8ULG



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## 检测证书

### TEST REPORT

样品名称 Sample Name	锂离子电池组 Lithium Ion Battery Pack		
型号 Model	ESS-BM-76.8-100T		
内含电池组型号 Batteries Model	38.4V100Ah		
委托单位 Applicant	深圳时代能创能源科技有限公司 Shenzhen Ates Power Technology Co.,Ltd.		
委托单位地址 Applicant Address	广东省深圳市宝安区石岩水田恒隆工业园9栋三层，B区3栋一层 Floor of Building 3 at Sector B and 3rd Floor of Building 9,Henglong Industrial Park, No.4 Industrial		
生产单位 Manufacture	惠州拓邦电气技术有限公司 Huizhou Topband Electrical Technology Co., LTD		
生产单位地址 Manufacture Address	惠州仲恺高新区东江高新科技产业园东兴片区东新大道113号 No.113 Dongxing Road,Dongxing Zone,Dongjiang Hi-tech Industrial Park of Zhongkai High-tech Zone, Huizhou City		
测试方法和判定标准 Test method and criterion	联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.7, 38.3 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS", Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7, 38.3		
接样时间 Accepted date	2021-05-12	测试日期 Test date	2021-05-12~2021-06-16
测试项目 Test items	过度充电、短路、电池组之间过度放电。Overcharge, Short circuit, Over discharge between the batteries. (对于已通过所有适用试验的若干锂离子电池组以电路连接而成的电池包，额定瓦特-小时数超过 6200Wh，该集成电池组经验证具有过度充电、短路、电池组之间过度放电保护功能，则无需进行其他试验。When lithium ion batteries that have passed all applicable tests are electrically connected to form a battery pack, with a Watt-hour rating of more than 6200Wh, the assembled battery does not need to be tested if it has been verified as preventing: Overcharge, Short circuits and Over discharge between the batteries.)		
结论 Conclusion	经测试，该样品符合联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.7, 38.3 标准要求。 The sample has passed the test items of UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS", Manual of Test and Criteria ST/SG/AC.10/11/Rev.7, 38.3.		
备注 Remark	1.该锂离子电池簇（集成电池组）的额定瓦特-小时数超过 6200Wh，由若干锂离子电池组以电路连接而成，锂离子电池组已通过UN38.3 测试（报告编号：01052100002467 (E)）。 The lithium ion battery cluster (the assembled battery) was rated a Watt-hour more than 6200W and formed by electrically connected modules, the modules are of the types proven to meet the requirements of each applicable test in the UN Manual of Tests and Criteria, Part III, sub-section 38.3. (Test Report No.: 01052100002467 (E)). 2.随附 UN38.3 试验概要（编号：01052100002466-2(E)）。 Attached with UN38.3 test summary (No.: 01052100002466-2 (E)).		

批准

Approver:

陆瑞强

审核

Checker:

叶中群

主检

Appraiser:

张俊生

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集成电池组信息：

The assembled battery information:

电池类型 Battery type	锂离子电池 Lithium ion battery	标称电压 Nominal Voltage	76.8V
额定容量 Rated Capacity	100Ah	总能量 Total Energy	7680Wh
充电限制电压 Limited Charge Voltage	87.6V	标准充电电流 Standard Charge Current	20A
最大充电电流 Maximum Charge Current	100A	标准放电电流 Standard Discharge Current	20A
最大放电电流 Maximum Discharge Current	100A	放电截止电压 Discharge Cut-off Voltage	67.2V
重量 Mass	75.80kg	尺寸 Overall Dimensions (W×D×H)	660mm(L)×360mm(W) × 285mm(H)
模组数量 Module Quantity	2PCS	样品外观与性状 Appearance & Odor	白色金属外壳 white metal shell
电芯容量 Cell Capacity	100Ah	电芯型号 Cell Model	32173195AE -100Ah
电池组组合方式 Battery Pack Combination	惠州拓邦电气技术有限公司 Huizhou Topband Electrical Technology Co., LTD		

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序号 No.	测试项目名称 Name of test	标准要求或标准条款号 Stand requirement or the clause number of standard	测试结果 Test result	本项结论 Test conclusion	备注 Remark
1	过度充电 Overcharge	联合国《关于危险货物运输的建议书 试验和标准手册》UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7, 38.3.3(g)	见附表 1 See Appendix 1	合格 Passed	/
2	短路 Short circuits	联合国《关于危险货物运输的建议书 试验和标准手册》UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7, 38.3.3(g)	见附表 1 See Appendix 1	合格 Passed	/
3	电池组之间过度放电 Over discharge between the batteries	联合国《关于危险货物运输的建议书 试验和标准手册》UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7, 38.3.3(g)	见附表 1 See Appendix 1	合格 Passed	/
测试环境 Test environment condition		环境温度：20℃-25℃；环境湿度：45%-75% Ambient temperature: 20℃-25℃, Ambient humidity: 45%-75%			
分包测试情况 Subcontracted test condition		测试项目 Test items	/		
		分包实验室 Subcontracted Laboratory	名称 Name	邮编 Post code	/
			地址 Address	电话 Tel	/

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附表 1  
Appendix 1

样品状态 Sample status	Pack 1#: 一个功能正常的集成电池组; Pack 1#: one functional assembled battery;	
测试项目名称 Name of test	测试要求 Requirement of test	测试结果 Test result
过度充电 Overcharge	按照制造商规定的充电方法, 验证过度充电保护功能。 Verify overcharge protection according to the manufacturer's charging method.	Pass
短路 Short circuits	按照制造商规定的充电方法充满电, 使电池组经受总外电阻小于 0.1Ω 的短路条件, 验证短路保护功能。 Fully charged according to the charging method specified by the manufacturer. The battery shall be subjected to a short circuit condition with a total external resistance of less than 0.1 ohm. Verify short circuit protection.	Pass
电池组之间过度放电 Over discharge between the batteries	按照制造商规定的放电方法, 验证过度放电保护功能。 Verify over discharge protection according to the manufacturer's discharging method.	Pass



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### 样品图片

### Photo of the sample

#### 内含电池模组/Battery module

内部电池组

Internal battery



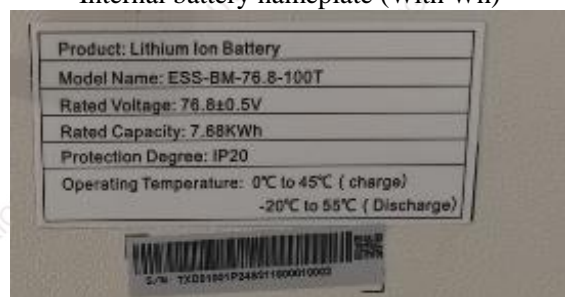
内部电池组

Internal battery



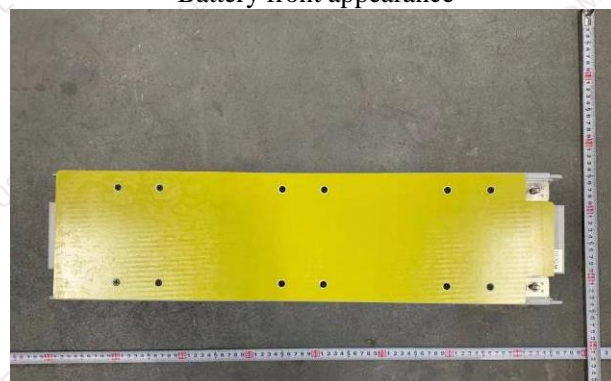
内部电池组铭牌(含 Wh)

Internal battery nameplate (With Wh)



电池正面外观

Battery front appearance



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The test report is invalid without the official stamp of IQTC.

2 本报告无批准人、审核人及主检人签名无效。

The test report is invalid without the signatures of Approver, Checker and Appraiser.

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4.客户必须如实提供样品及资料，并保证申报品名和样品以及运输货物相同，否则本检测单位不承担任何相关责任。

The client should provide samples and relevant data, at the same time, they should guarantee the consistence of the product's name they declared, the samples they provided and the goods to be transported. Otherwise we will not bear any relevant responsibilities.

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Objection to the test report must be submitted to IQTC within 15 days

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7.检验地址：广东省广州市科学城南翔支路1号C102房（轻工科学城实验室）

Inspection Address: Room C102, No.1 Nanxiangzhi Road, Science City, Guangzhou, Guangdong, China (Light Industry Testing Laboratory in Science City)

电话(Tel): 020-38669019-811

电子邮箱(E-mail): battery@iqtcnet.cn; itl@iqtcnet.cn

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