

广州海关技术中心

GUANGZHOU CUSTOMS DISTRICT TECHNOLOGY CENTER

地址: 中国广州市天河区珠江新城花城大道66号B座

网址: www.iqtc.cn 邮编: 510623

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

Website: www.iqtc.cn Postcode: 510623

No: 01052100003177-2(E)

Date: 2021-07-09

Page: 1 of 4

UN38.3 试验概要

UN38.3 test summary

单位信息 Company information	
委托单位信息 Applicant's Information	名称: 深圳格瑞特新能源有限公司 Name: Shenzhen Growatt New Energy Co., Ltd.
	地址: 深圳市宝安区西乡街道固兴社区航城大道中德欧产业示范园 A 栋 A401,4—13 楼 Address: 4-13/F, Building A, Sino-German(Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China
	电话号码 Phone number: 0755-29515888
	电子邮箱 Email address: dong.tao@growatt.com
	网址 Website: www.ginverter.com
生产单位信息 Manufacturer's Information	名称: 广东省古瑞瓦特新能源有限公司 Name: Guangdong Growatt New Energy Co., Ltd.
	地址: 惠州市惠阳区平潭镇房坑村公路边第 17 号房屋 Address: Growatt Industrial Park, No.17 Pingheng Road Pingtan Town, Huiyang District, Huizhou, Guangdong, China
	电话号码 Phone number: 0752-3263600
	电子邮箱 Email address: dong.tao@growatt.com
试验实验室 Test laboratory	名称: 广州海关技术中心 Name: GUANGZHOU CUSTOMS DISTRICT TECHNOLOGY CENTER
	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) Address: Room C102, No.1 Nanxiangzhi Road, Science City, Guangzhou, Guangdong, China (Light Industry Testing Laboratory in Science City)
	电话号码 Phone number: +86-020-38669019-811
	电子邮箱 Email address: battery@iqtcnet.cn; itl@iqtcnet.cn
	网址 Website: www.iqtcnet.cn



233FQ458TK

1. 本报告结果仅对测试样品负责。The results in this report are relevant only to the sample(s) tested.
2. 未经签发机构书面同意, 不得部分引述或复制本报告。Without written permission of IQTC, this report shall not be quoted or reproduced except in full.
3. 该报告数据、结果仅限定为委托方内部使用, 不具有对社会证明作用。The report is not legally binding and could only be used as internal reference material for the applicant. It shall not be provided as a notarial certification.

广州海关技术中心

GUANGZHOU CUSTOMS DISTRICT TECHNOLOGY CENTER

地址: 中国广州市天河区珠江新城花城大道66号B座

网址: www.iqtc.cn 邮编: 510623

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

Website: www.iqtc.cn Postcode: 510623

No: 01052100003177-2(E)

Date: 2021-07-09

Page: 2 of 4

电池信息 Battery information



名称 Name	锂离子电池 Lithium Ion Battery	型号 Model	AXE 5.0L-C1
标称电压 Nominal voltage	51.2 V	容量 Capacity	100 Ah
额定瓦时值 Watt-hour rating	5000Wh	样品外观 Appearance	白色金属外壳 White metal shell
质量 Mass	40 ± 2kg	电池描述 Physical description	可充电锂离子电池组 Rechargeable Li-ion battery

电池正面外观
Battery front appearance



电池图片
Battery picture

电池铭牌(含 Wh)
Battery nameplate (With Wh)

 GROWATT Lithium Ion Battery	
Model	AXE 5.0L-C1
Nominal Voltage	51.2V
Nominal/Rated Capacity	100Ah/90Ah
Nominal/Rated Energy	5000Wh/4600Wh
Rated Current	60A
Ingress Protection	IP20
Operating Ambient Temperature	0°C ~ +50°C
Protective Class	I
Maximum Short Current and Duration	300A, 50us
	
Made in China	

1. 本报告结果仅对测试样品负责。The results in this report are relevant only to the sample(s) tested.

2. 未经签发机构书面同意, 不得部分引述或复制本报告。Without written permission of IQTC, this report shall not be quoted or reproduced except in full.

3. 该报告数据、结果仅限定为委托方内部使用, 不具有对社会证明作用。The report is not legally binding and could only be used as internal reference material for the applicant. It shall not be provided as a notarial certification.

广州海关技术中心

GUANGZHOU CUSTOMS DISTRICT TECHNOLOGY CENTER

地址: 中国广州市天河区珠江新城花城大道66号B座
网址: www.iqtc.cn 邮编: 510623
Add: Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Tianhe District, Guangzhou, China
Website: www.iqtc.cn Postcode: 510623

No: 01052100003177-2(E)
Date: 2021-07-09
Page: 3 of 4

测试信息 Test information			
UN38.3 测试报告编号 UN38.3 Test report No.	01052100003177-1(E)	测试报告日期 Date of test report	2021-07-09
测试标准 Test standard	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 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS", Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7		
T.1 高度模拟 Altitude simulation	合格 Passed	T.2 温度试验 Thermal test	合格 Passed
T.3 振动 Vibration	合格 Passed	T.4 冲击 Shock	合格 Passed
T.5 外部短路 External short circuit	合格 Passed	T.6 挤压 Crush	合格 Passed
T.7 过度充电 Overcharge	合格 Passed	T.8 强制放电 Forced discharge	合格 Passed
38.3.3(f)	不适用 Not applicable	38.3.3(g)	不适用 Not applicable
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	检测结果仅对样品有效。 The test results are only valid for the test samples submitted the applicant.		
签名及职务 Signature & Title	 实验室副主任 Laboratory Deputy Director	签发日期 Issued date	

1. 本报告结果仅对测试样品负责。The results in this report are relevant only to the sample(s) tested.
2. 未经签发机构书面同意, 不得部分引述或复制本报告。Without written permission of IQTC, this report shall not be quoted or reproduced except in full.
3. 该报告数据、结果仅限定为委托方内部使用, 不具有对社会证明作用。The report is not legally binding and could only be used as internal reference material for the applicant. It shall not be provided as a notarial certification.

广州海关技术中心

GUANGZHOU CUSTOMS DISTRICT TECHNOLOGY CENTER

地址: 中国广州市天河区珠江新城花城大道66号B座

网址: www.iqtc.cn 邮编: 510623

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

Website: www.iqtc.cn Postcode: 510623

No: 01052100003177-2(E)

Date: 2021-07-09

Page: 4 of 4

声明 Statement

1. 本报告无检验单位公章无效。

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

2. 本报告无批准人签名无效。

The test report is invalid without the signatures of Approver.

3. 本报告涂改无效。未经本实验室书面同意, 不得部分地复制本报告。

The test report is invalid if altered. Nobody is allowed to photocopy or partly photocopy this report without written permission of IQTC

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.

5. 对检验报告若有异议, 应于收到报告之日起十五天内向检验单位提出。

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

6. 本报告仅对送检样品负责。

The test report is valid for the tested samples only.

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

* * * * 报告结束 End of report * * * *

1. 本报告结果仅对测试样品负责。The results in this report are relevant only to the sample(s) tested.

2. 未经签发机构书面同意, 不得部分引述或复制本报告。Without written permission of IQTC, this report shall not be quoted or reproduced except in full.

3. 该报告数据、结果仅限定为委托方内部使用, 不具有对社会证明作用。The report is not legally binding and could only be used as internal reference material for the applicant. It shall not be provided as a notarial certification.