



广州海关技术中心

GUANGZHOU CUSTOMS DISTRICT TECHNOLOGY CENTER



中国认可
国际互认
检验
INSPECTION
CNAS IB0411

地址: 中国广东省广州市天河区珠江新城花城大道66号B座 邮编Postcode: 510623
Add.: Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Tianhe District, Guangzhou, Guangdong, P.R.C.
电话Tel: 020-22131000 邮箱Email: ppdc@iqtenet.cn 网址Website: <https://www.iqtenet.cn>

No: 1125000114Y-1
Date: 2025-01-22
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UN38.3 报告 UN38.3 Test Report

样品名称: Battery-Box HVB Module

Sample Name: Battery-Box HVB Module

委托单位: 汕尾比亚迪汽车有限公司

Applicant: Shanwei BYD Auto Co., Ltd.



提取码: 718045
验证平台:
<https://css.iqtcnet.cn>

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检测证书 TEST REPORT

| | | | |
|--|--|----------------------------|-----|
| 样品名称 Sample Name | Battery-Box HVB Module | | |
| 型号 Model | HVB-Module | | |
| 委托单位 Applicant | 汕尾比亚迪汽车有限公司 Shanwei BYD Auto Co., Ltd. | | |
| 委托单位地址 Applicant Address | 汕尾市陆河县新河工业园区(河口镇云丰村) Xinhe Industrial Park, Luhe, Shanwei | | |
| 生产单位 Manufacturer | 汕尾比亚迪汽车有限公司 Shanwei BYD Auto Co., Ltd. | | |
| 生产单位地址 Manufacturer Address | 汕尾市陆河县新河工业园区(河口镇云丰村) Xinhe Industrial Park, Luhe, Shanwei | | |
| 样品外观与性状 Appearance & Odor | 冷灰色 Pantone Cool Gray 1U | | |
| 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.8, 38.3 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS", Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3 | | |
| 接样时间 Accepted date | 2025-01-06 | 样品数量 Quantity of sample | 1pc |
| 完成日期 Completed date | 2025-01-10 | | |
| 结论 Conclusion | 申请人送检的样品与原报告 1124002003-1 的差异符合联合国《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.8, 38.3, 节相关规定。The sample's differences submitted by Applicant between this report and original report 1124002003-1 are comply with the requirement of UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS", Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3. | | |



批准

Approver:

莫守君

审核

Checker:

邱初哇

主检

Appraiser:

张文臻



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| | |
|---------------------------------|--|
| <p>差异说明 The differences</p> | <p>1.本报告最大持续充电电流从 40A 变为 50A，铭牌更新，该变更未改变原报告中样品的关键材料，产品设计和生产工艺，生产厂也未改变。 In this report, the maximum continuous charge current changes from 40A to 50A, nameplate update, the modified item(s) did not changed the key materials, design and production process of the sample of original report, the production factory has no change.</p> |
| <p>备注 Remark</p> | <p>1.本报告中是 1124002003-1 的变更报告，原报告签发于 2025 年 01 月 01 日，不涉及新的测试项目。 This report is transformed from Original report 1124002003-1 which is issued on 1st January 2025, no new test item is involved.</p> <p>2. 本报告需和原报告一起使用。 This report needs to be used with the original report.</p> <p>3.随附 UN38.3 试验概要（编号：1125000114-2）。 Attached with UN38.3 test summary (No.: 1125000114-2).</p> |



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电池组信息:

The batteries information:

| | | | |
|---|---|--|--|
| 电池类型 Battery type | 锂离子电池 Lithium ion batteries | 标称电压 Nominal Voltage | 51.2V |
| 额定容量 Rated Capacity | 58Ah | 总能量 Total Energy | 2969.6Wh |
| 充电限制电压 Limited Charge Voltage | 56V | 标准充电电流 Standard Charge Current | 25A |
| 最大持续充电电流 Maximum Continuous Charge Current | 50A | 充电截止电流 Charge Cut-off Current | 5A |
| 标准放电电流 Standard discharge Current | 25A | 最大持续放电电流 Maximum Continuous Discharge Current | 50A(常温) |
| 放电截止电压 Discharge Cut-off Voltage | 46.4V | 尺寸 Overall Dimensions | 长方体 cuboid 610mm(L)*282mm (W)*106mm(H) |
| 电芯数量 Cell Quantity | 16PCS | 电芯型号 Cell Model | CBV04 |
| 电芯容量 Cell Capacity | 60Ah | 重量 Weight | 27.3 ± 0.5kg |
| 电芯生产单位 Manufacturer of cell | 郑州弗迪电池有限公司 Findreams Battery Zhengzhou Co., Ltd. | | |

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样品图片

Photo of the sample

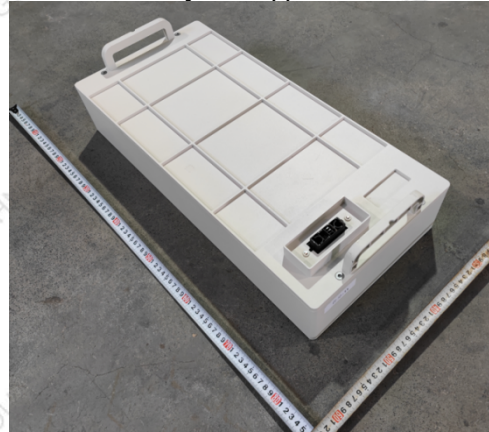
电池正面外观

Battery front appearance



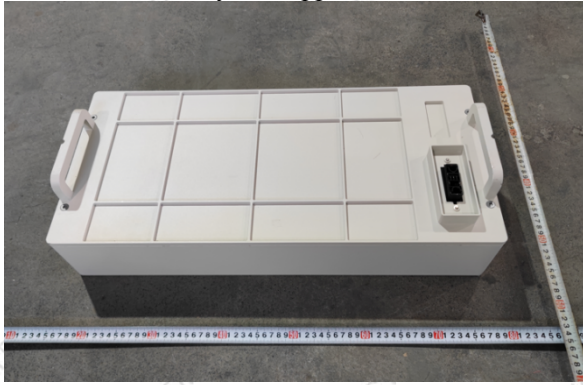
电池侧面外观

Battery side appearance



电池侧面外观

Battery side appearance



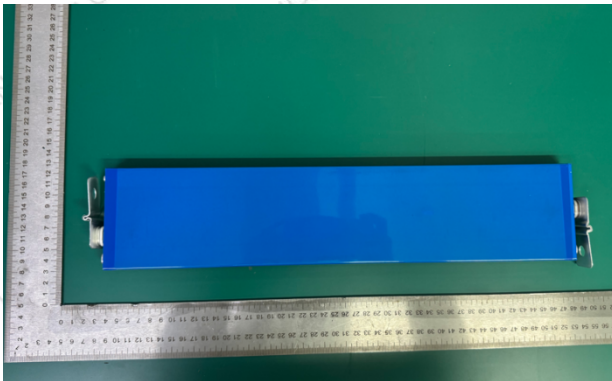
电池铭牌(含 Wh)

Battery nameplate (With Wh)

| | | | | |
|--|---|--|--|--|
| Battery-Box HVB Module | | | | |
| Model: HVB-Module | | | | |
| Usable Energy(Wh): 2969.6 | | | | |
| Nominal Voltage(V d.c.): 51.2 | | | | |
| Rated Capacity(Ah): 58 | | | | |
| Voltage Range(V d.c.): 40-57.6 | | | | |
| Max Charging Current(A d.c.): 50 | <div style="border: 1px solid black; width: 100%; height: 100%;"></div> | | | |
| Max Discharging Current(A d.c.): 50 | | | | |
| Operating Temperature(°C): -20+50 | Made in China | | | |
| IFP14/91/446/[16S]E/-20+50/90 | | | | |
| Ingress Protection: IP55 | | | | |
| Protective Class: I | | | | |
| Weight: 27.3kg | | | | |
| Chemistry:LiFePO4 | | | | |
| Manufacturer: Shanwei BYD Auto Co., Ltd. | | | | |
| Address: Xinhe Industrial Park, Luhe, Shanwei, China | | | | |
| Usable Extinguishing Agent: Dry powder extinguisher | | | | |

电芯

Cell



电芯标签

Cell label

| | |
|-------------------------|-----|
| Type: CBV04 | |
| Usable Energy(Wh): | 192 |
| Nominal Voltage(Vd.c.): | 3.2 |
| Rated Capacity(Ah): | 60 |



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声明 Statement

1.本报告无检测单位公章无效。

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

2.本报告无批准人、审核人及主检人签名无效。

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

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.对检测报告若有异议，应于收到报告之日起十五天内向检测单位提出。

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.检测地址：广东省广州市科学城南翔支路1号C102房（汽车与装备检测研究所科学城）

Test Address: Room C102, No.1 Nanxiangzhi Road, Science City, Guangzhou, Guangdong, China
(Institute of Automobile and Equipment Testing in Science City)

电话(Tel): 020-38669019-811

电子邮箱(E-mail): battery@iqtcnet.cn

* * * * 报告结束 End of report * * * *