



试验报告

Test Report

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试验日期: 2023年11月30日至2023年12月28日

Date of test: Nov.30, 2023~Dec.28, 2023.



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试验报告(Test Report)

1 试验样品信息(Test sample information)

样品名称(Product name): 叉车锂电池(Lithium Forklift Battery);

样品零件号/型号(Part/Model Number): 单一型号(Single model);

样品编号(Product No.): 2023-0576-01;

样品数量(Product quantity): 1pc;

样品重量(Product weight(kg)) (kg): /;

样品尺寸(Product Size(mm)) (mm): /;

样品状况(Sample description): 受试样品在试验前, 常温下目视检查, 其外形、结构正常(Judged through visual inspection before formal test at room temperature, the sample has normal appearance and structure)。

2 试验结果概述(Test results summary)

表 1 结果概述(Table 1 Test results summary)

序号(No.)	测试项目(Test items)	结果(Test results)
1	IPX5 试验(IPX5 test)	合格(Pass)
2	IP6X 试验(IP6X test)	合格(Pass)

备注: 进水进尘内部检查统一在防尘试验后检查(After the IP6X test, sample conducts the ingress of water and dust inspection)。

编制(Edited):

审核(Reviewed):

批准(Approved):

签发日期(Date of issued): 2024.01.02



3 实验室环境条件(Laboratory environmental conditions)

温度(Temperature): 17.8°C~20.6°C;
湿度(Relative Humidity): 45%RH~50%RH。

4 试验顺序(Sequence of test)

IPX5 试验(IPX5 test)→ IP6X 试验(IP6X test)

5 试验设备(Test equipment)

表 2 试验设备列表(Table 2 Test equipment list)

设备名称 (Name)	型号 (Model)	出厂编号 (Serial No.)	数量 (Quantity)	有效期至 (Validity date)
IPX567/6K强喷水试验机 (IPX567/6K strong water spray tester)	GR-IPX567A	GR21113021	1	2024.04.23
IP56X防尘试验箱(IP56X Dustproof test chamber)	GR-IPSCF20	GR22012101	1	2024.03.30
卷尺(Tape measure)	034196卷尺(4)	/	1	2024.07.18

6 试验项目、信息、评价依据、试验结果(Test items, conditions, acceptance criteria and conclusions)

6.1 IPX5 试验(IPX5 test)

6.1.1 试验信息(Test conditions)

- 参考依据/标准(Reference Basis/Specification): GZZT-CX005-002-B1-2023-0576《试验委托单》(GZZT-CX005-002-B1-2023-0576“Testing Application Form”), IEC 60529-2001《外壳防护等级(IP代码)》(IEC 60529-2001“Degrees of protection provided by enclosure(IP code)”);
- 样品编号(Test Sample No.): 2023-0576-01;
- 试验方法/条件(Test Method/Condition):
 - 水流量(Water flow rate): (12.5 ± 0.625) L/min;
 - 喷嘴直径(Nozzle diameter): 6.3mm;
 - 喷嘴距离(Nozzle distance): 2.5~3m;
 - 试验时间: 1 min/m³至少 3 min(Duration of test: 1 min/m³ at least 3 min)。



6.1.2 评价依据(Acceptance criteria)

试验后, 样品内部没有进水(No ingress of water is inside the enclosure at end of the test)。

6.1.3 试验结果(Test conclusions)

表 3 试验结果(Table 3 Test result)

样品编号(Sample No.)	检测结果(Test result)	评价(Evaluation)
2023-0576-01	试验后, 样品内部没有进水(No ingress of water is inside the enclosure at end of the test)。	合格(Pass)

6.1.4 试验图片(Test figures)



图 (Fig. 1) 试验前(Before test)



图 (Fig. 2) 试验后(After test)

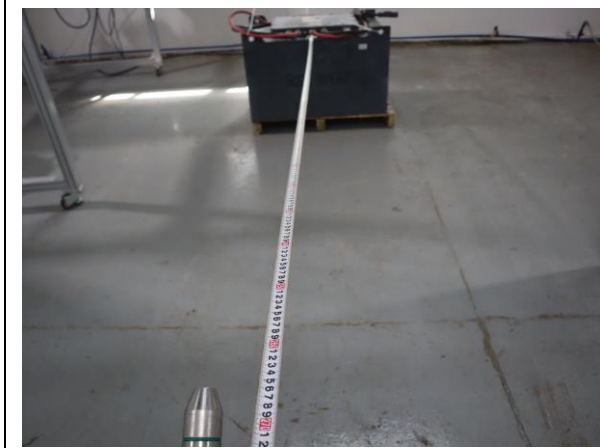


图 (Fig. 3) 试验中(During test)



图 (Fig. 4) 试验设置(Test setting)

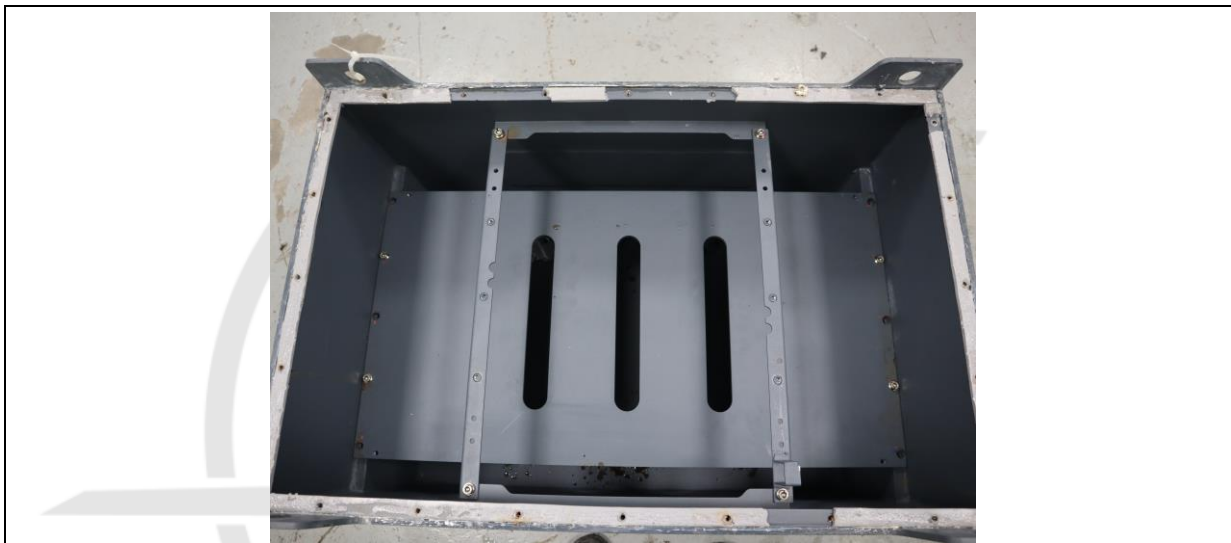


图 (Fig. 5) 试验后进水检查(After test,ingress of water inspection)

6.2 IP6X 试验(IP6X test)

6.2.1 试验信息(Test conditions)

- 1) 参考依据/标准(Reference Basis/Specification): GZZT-CX005-002-B1-2023-0576 《试验委托单》(GZZT-CX005-002-B1-2023-0576“Testing Application Form”), IEC 60529-2001 《外壳防护等级 (IP 代码)》(IEC 60529-2001“Degrees of protection provided by enclosure(IP code)”);
- 2) 样品编号(Test Sample No.): 2023-0576-01;
- 3) 试验方法/条件(Test Method/Condition):
 - a. 粉尘: 滑石粉(Dust:Talcum powder);
 - b. 粉尘浓度(Dust concentration): $2\text{kg}/\text{m}^3$;
 - c. 测试时间: 持续吹尘 8h(The test shall be continued for a period of 8h)。

6.2.2 评价依据(Acceptance criteria)

试验后, 样品内部没有进尘(No deposit of dust is observable inside the enclosure at end of the test)。

6.2.3 试验结果(Test conclusions)

表 4 试验结果(Table 4 Test result)

样品编号(Sample No.)	检测结果(Test result)	评价(Evaluation)
2023-0576-01	试验后, 样品内部没有进尘(No deposit of dust is observable inside the enclosure at end of the test)。	合格(Pass)



6.2.4 试验图片(Test figures)



图 (Fig. 6) 试验前(Before test)

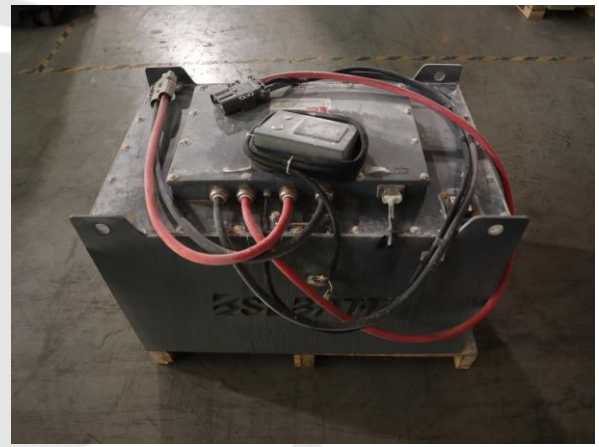


图 (Fig. 7) 试验后(After test)



图 (Fig. 8) 试验中(During test)



图 (Fig. 9) 试验设置(Test setting)



图 (Fig. 10) 试验后进尘检查(After test,ingress of dust inspection)

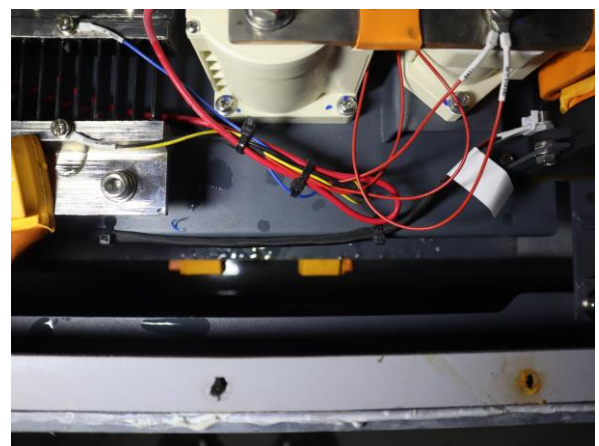


图 (Fig. 11) 试验后进尘检查(After test,ingress of dust inspection)

— — 报告结束 — —
— — End of Report — —