

欧盟法规符合性声明
EU declaration of conformity

编号：20250630-004
NO: 20250630-004

1. 电池型号：LVS
Battery model: LVS
产品类别：锂离子电池
Product category: Lithium ion batteries
2. 制造商名称：深圳比亚迪电子有限公司
Manufacturer: Shenzhen BYD Electronics Co., Ltd.
地址：深圳市大鹏新区葵涌街道延安路1号
Site: No.1, Yan'an Road, Kuichong, Dapeng, Shenzhen, P.R. China
Authorized Representative Name: EFT-Systems GmbH
Address: Bruchtannenstr. 28, 63801 Kleinostheim, Germany
3. 本合格声明由制造商全权负责发布
This declaration of conformity is issued under the sole responsibility of the manufacturer.
4. 声明对象：电池箱
Subject of declaration: Battery-Box Premium Module
电池系统由多个模块组成，包括：电芯、线束、电路板、机箱和盲插
The battery system contains modules, including: cells, wiring harness, PCBA, case and blind-mating connectors

	Dimensions (W*D*H): 650 mm*298 mm*233 mm	Battery-Box Premium Module Model: LVS Series designation: 400A47119/122105SM-20-5000 Nominal voltage: 51.2V Voltage range: 40-52.0V Max. continuous current: 50A Battery type: LiFePO4 Capacity range: 400Ah Rated capacity: 78.2Ah Operating temperature: -30°C-45°C Protection Class: I IP class: IP54  CE UKCA RoHS REACH MADE IN CHINA	Nominal Capacity: 78.2 Ah
	Nominal Voltage: 51.2 V		Weight: 44.6 kg

5. 第4点所述的声明对象符合相关的欧盟协调立法：(EU)2023/1542、2014/53/EU、2011/65/EU, including its amendment (EU)2015/863、(EC) No 1907/2006
The object of the declaration described in point 4 is in conformity with the relevant Union harmonisation legislation: (EU)2023/1542, 2014/53/EU, 2011/65/EU, including its amendment (EU)2015/863, (EC) No 1907/2006
6. 采用的其他相关统一标准或通用规范的索引，或其他与合格声明相关的技术规范 的索引：IEC62619、IEC62040、VDE2150、UKCA、UN38.3、EN 300328、EN 301489-1、EN 301489-17、EN 62311、EN 61000-6、EN 62477
References to the relevant harmonised standards or the common specifications used or references to the other technical specifications in relation to which conformity is declared: IEC62619, IEC62040, VDE2150, UKCA, UN38.3, EN 300328, EN 301489-1, EN 301489-17, EN 62311, EN 61000-6, EN 62477
7. 电化学性能及耐久性参数：
Electrochemical performance and durability parameters:

额定容量 / 衰减率 Rated capacity / attenuation rate	78.2 安时 / 参考质保*1 78.2 Ah / Refer to Limited warranty*1
最大持续充电 / 放电功率*2 Max. cont. charge / discharge power*2	3.328 千瓦 3.328 kW
充电 / 放电衰减率 Charge / discharge power decay rate	0
初始内阻 / 增加率 Initial internal resistance / increase rate	小于 0.8 毫欧姆 / 10 年，3650 周循环后，增加 15% ≤ 0.8 mΩ / Increase 15% (after 10 years and 3650 cycles)
初始 / 末期循环效率 Initial / end cycle efficiency	95% / 10 年，3650 次循环后，降低至 94% 95% / 94% (after 10 years and 3650 cycles)
在设计条件下的预计寿命 Expected life under design conditions	参考质保*1 Refer to Limited warranty**1

*1. 质保可以在网站: www.bydbatterybox.com/downloads 下载
Limited warranty can be download on the website: www.bydbatterybox.com/downloads

*2. 充电 / 放电功率降额与温度和 SOC 相关
Charge / Discharge power derating will occur related to Temperature and SOC

8. 固定式电池储能系统安全适用的标准
Standards applied of Safety of stationary battery energy storage systems.

编号 No.	测试项目 Test project	Quantity	Test Result
1	热冲击和循环测试 Thermal shock and cycling	1 PKS	☒ Pass ☐ Fail
2	外部短路保护 External short circuit protection	1 PKS	☒ Pass ☐ Fail
3	过充保护 Overcharge protection	1 PKS	☒ Pass ☐ Fail
4	过放保护 Over-discharge protection	1 PKS	☒ Pass ☐ Fail
5	过热保护 Over-temperature protection	1 PKS	☒ Pass ☐ Fail
6	热扩散保护 Thermal propagation protection	1 PKS	☒ Pass ☐ Fail
7	外力影响造成的机械损坏 Mechanical damage by external forces	1 PKS	☒ Pass ☐ Fail
8	内部短路 Internal short circuit	1 PKS	☒ Pass ☐ Fail
9	热滥用 Thermal abuse	1 PKS	☒ Pass ☐ Fail
10	防火测试 Fire test	1 PKS	☒ Pass ☐ Fail
11	气体排放 Emission of gases	1 PKS	☒ Pass ☐ Fail

9. 其他信息
Additional information

公司代表人签名 Signature of Authorized Company Representative	
头衔 Title	品质部经理 Manager of Quality Department
签发地点 Place of issue	深圳 Shenzhen
日期 Date of issue	2025-06-30



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