
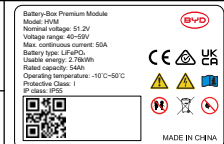


法规符合性声明

EU declaration of conformity

编号: 20240802-001
NO: 20240802-001

1. 电池型号: HVM
Battery model: HVM
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
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): 585 mm*298 mm*233 mm	 <p style="font-size: 8px;">Battery-Box Premium Module Model: HVM Nominal voltage: 51.2V Voltage range: 40-59V Max. continuous current: 50A Battery type: LiFePO₄ Usable energy: 2.7kWh Rated capacity: 54Ah Operating temperature: -10°C~50°C Protective Class: I IP class: IP54 MADE IN CHINA</p>	Nominal Capacity: 54 Ah
	Nominal Voltage: 51.2 V		weight: 38.2 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	54 安时 / 参考质保*1 54 Ah / Refer to Limited warranty*1
持续充电/放电功率*2 Cont. charge/discharge power*2	2.56 千瓦 2.56 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 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	96% / 10 年, 3650 次循环后, 降低至 94% 96% / 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	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
2	外部短路保护 External short circuit protection	1 PKS	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
3	过充保护 Overcharge protection	1 PKS	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
4	过放保护 Over-discharge protection	1 PKS	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
5	过热保护 Over-temperature protection	1 PKS	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
6	热扩散保护 Thermal propagation protection	1 PKS	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
7	外力影响造成的机械损坏 Mechanical damage by external forces	1 PKS	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
8	内部短路 Internal short circuit	1 PKS	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
9	热滥用 Thermal abuse	1 PKS	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
10	防火测试 Fire test	1 PKS	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
11	气体排放 Emission of gases	1 PKS	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> 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	2024-08-05

