

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

编号：20250630-001  
NO: 20250630-001

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  
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):<br>585 mm*298 mm*233 mm | <div><div>Battery-Box Premium Module<br/>Model: HVM<br/>Nominal voltage: 51.2V<br/>Voltage range: 42~59V<br/>Max. continuous current: 50A<br/>Battery type: LFP(FC)<br/>Usable energy: 2.78kWh<br/>Rated capacity: 54Ah<br/>Operating temperature: -30°C~55°C<br/>Protection Class: IP68<br/>IP68</div><div></div><div><br/><br/><br/>MADE IN CHINA</div></div> | 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 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<br>Rated capacity / attenuation rate           | 54 安时 / 参考质保*1<br>54 Ah / Refer to Limited warranty*1                                          |
| 最大持续充电 / 放电功率*2<br>Max. cont. charge / discharge power*2  | 2.56 千瓦<br>2.56 kW                                                                             |
| 充电 / 放电衰减率<br>Charge / discharge power decay rate         | 0                                                                                              |
| 初始内阻 / 增加率<br>Initial internal resistance / increase rate | 小于 0.8 毫欧姆 / 10 年，3650 周循环后，增加 15%<br>≤ 0.8 mΩ / Increase 15% (after 10 years and 3650 cycles) |
| 初始 / 末期循环效率<br>Initial / end cycle efficiency             | 96% / 10 年，3650 次循环后，降低至 94%<br>96% / 94% (after 10 years and 3650 cycles)                     |
| 在设计条件下的预计寿命<br>Expected life under design conditions      | 参考质保*1<br>Refer to Limited warranty*1                                                          |

\*1. 质保可以在网站: [www.bydbatterybox.com/downloads](http://www.bydbatterybox.com/downloads) 下载  
Limited warranty can be download on the website: [www.bydbatterybox.com/downloads](http://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<br>No. | 测试项目<br>Test project                                | Quantity | Test Result |
|-----------|-----------------------------------------------------|----------|-------------|
| 1         | 热冲击和循环测试<br>Thermal shock and cycling               | 1 PKS    | ■Pass □Fail |
| 2         | 外部短路保护<br>External short circuit protection         | 1 PKS    | ■Pass □Fail |
| 3         | 过充保护<br>Overcharge protection                       | 1 PKS    | ■Pass □Fail |
| 4         | 过放保护<br>Over-discharge protection                   | 1 PKS    | ■Pass □Fail |
| 5         | 过热保护<br>Over-temperature protection                 | 1 PKS    | ■Pass □Fail |
| 6         | 热扩散保护<br>Thermal propagation protection             | 1 PKS    | ■Pass □Fail |
| 7         | 外力影响造成的机械损坏<br>Mechanical damage by external forces | 1 PKS    | ■Pass □Fail |
| 8         | 内部短路<br>Internal short circuit                      | 1 PKS    | ■Pass □Fail |
| 9         | 热滥用<br>Thermal abuse                                | 1 PKS    | ■Pass □Fail |
| 10        | 防火测试<br>Fire test                                   | 1 PKS    | ■Pass □Fail |
| 11        | 气体排放<br>Emission of gases                           | 1 PKS    | ■Pass □Fail |

9. 其他信息  
Additional information

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



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