

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

编号: 20240802-003  
NO: 20240802-003

1. 电池型号: Battery-Box Premium LVL 15.4  
Battery model: Battery-Box Premium LVL 15.4  
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 LVL 15.4  
电池系统由多个模块组成, 包括: 电芯、线束、电路板和机箱  
The battery system contains modules, including: cells, wiring harness, PCBA and case

|                                                                                   |                                            |                                                                                   |                          |
|-----------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|
|  | Dimensions(W*D*H):<br>650 mm*575 mm*670 mm |  | Nominal Capacity: 300 Ah |
|                                                                                   | Nominal Voltage: 51.2 V                    |                                                                                   | weight: 168 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: IEC62619, IEC62040, UKCA, UN38.3, EN61000-6  
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, UKCA, UN38.3, EN61000-6
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           | 300 安时/参考质保*1<br>300 Ah / Refer to Limited warranty*1                                           |
| 持续充电/放电功率*2<br>Cont. charge / discharge power*2         | 12.8 千瓦<br>12.8 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 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             | 95% / 10 年, 3650 次循环后, 降低至 94%<br>95% / 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/放电功率降额将与温度和 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    | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| 2         | 外部短路保护<br>External short circuit protection         | 1 PKS    | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| 3         | 过充保护<br>Overcharge protection                       | 1 PKS    | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| 4         | 过放保护<br>Over-discharge protection                   | 1 PKS    | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| 5         | 过热保护<br>Over-temperature protection                 | 1 PKS    | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| 6         | 热扩散保护<br>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<br>Mechanical damage by external forces | 1 PKS    | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| 8         | 内部短路<br>Internal short circuit                      | 1 PKS    | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| 9         | 热滥用<br>Thermal abuse                                | 1 PKS    | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| 10        | 防火测试<br>Fire test                                   | 1 PKS    | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail |
| 11        | 气体排放<br>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<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                                       | 2024-08-05                                                                          |