★秘密★

法规符合性声明
EU declaration of conformity

编号：20250625-001

NO: 20250625-001

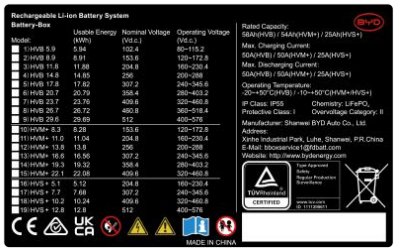
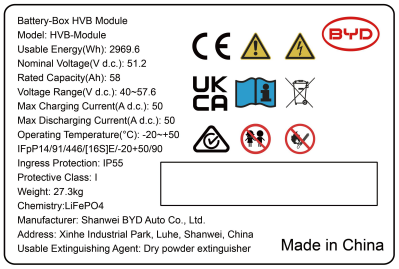
1. 电池型号：HVB 5.9, HVB 8.9, HVB 11.8, HVB 14.8, HVB 17.8, HVB 20.7, HVB 23.7, HVB 26.7, HVB 29.6
   Battery model: HVB 5.9, HVB 8.9, HVB 11.8, HVB 14.8, HVB 17.8, HVB 20.7, HVB 23.7, HVB 26.7, HVB 29.6
   产品类别：工业电池
   Product category: Industrial Battery

2. 制造商名称：汕尾比亚迪汽车有限公司
   Manufacturer: Shanwei BYD Auto Co., Ltd.
   地址：汕尾市陆河县新河工业园区（河口镇云丰村）
   Site: Xinhe Industrial Park, Luhe, Shanwei

3. 授权代表名称：EFT-Systems GmbH
   Authorized representative: EFT-Systems GmbH
   地址：Bruchtannenstr. 28, 63801 Kleinostheim, Germany
   Site: Bruchtannenstr. 28, 63801 Kleinostheim, Germany

4. 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.

5. 声明对象：电池系统 Battery-Box（HVB 5.9, HVB 8.9, HVB 11.8, HVB 14.8, HVB 17.8, HVB 20.7, HVB 23.7, HVB 26.7, HVB 29.6）
   Subject of declaration: Battery-Box（HVB 5.9, HVB 8.9, HVB 11.8, HVB 14.8, HVB 17.8, HVB 20.7, HVB 23.7, HVB 26.7, HVB 29.6）
   电池系统由多个模块组成，包括：电芯、线束、电路板、电气元器件、机箱和盲插
   The battery system contains modules, including: cells, wiring harness, PCBA, electrical components, case and blind-mating connectors.

<table>
<tr>
<td rowspan="2"> </td>
<td>Number of Modules: 2-10</td>
<td rowspan="2"> 
</td>
<td>Usable Energy：
5.94 kWh - 29.69 kWh</td>
</tr>
<tr>
<td>Nominal Voltage: 102.4 V - 512 V</td>
<td>Weight: 68.7 kg - 287.1 kg</td>
</tr>
<tr>
<td rowspan="2"> </td>
<td>Dimensions(W*D*H):
610 mm*282 mm*106 mm</td>
<td rowspan="2"> 
</td>
<td>Nominal Capacity: 58 Ah
Usable Energy：
2.9696 kWh</td>
</tr>
<tr>
<td>Nominal Voltage: 51.2 V</td>
<td>Weight: 27.3 kg</td>
</tr>
</table>

6. 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，包括其修正案 (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

7. 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：IEC 62619、EN IEC 62040-1、VDE 2510、UKCA、UN 38.3、EN 300328、EN 301489-1、EN 301489-17、EN 62311、EN 61000-6、EN 62477-1
   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: IEC 62619, EN IEC 62040-1, VDE 2510, UKCA, UN 38.3, EN 300328, EN 301489-1, EN 301489-17, EN 62311, EN 61000-6, EN 62477-1

8. 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	58安时/100% DOD，25 ℃下0.2 C充放 58 Ah /100% DOD, 0.2 C charge & discharge at + 25 °C
持续充电/放电功率*1 Cont. charge / discharge power*1	5.12千瓦-25.6千瓦 5.12 kW-25.6 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	HVB 5.9　小于120毫 欧 / 10年，3650周循环后，增加15% HVB 5.9 ≤120 mΩ / Increase 15% (after 10 years and 3650 cycles) HVB 29.6　小于488毫 欧 / 10年，3650周循环后，增加15% HVB 29.6 ≤488 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，100% DOD，25 ℃下0.2 C充电/放电，降低至94% 95% / 94% (after 10 years and 3650 cycles, 100% DOD, 0.2 C charge & discharge at + 25 °C)
在设计条件下的预计寿命 Expected life under design conditions	参考质保*2 Refer to Limited warranty*2

*1. 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

*2. 质保可以在网站：http://www.bydenergy.com/resource-download?locale=EN下载
Limited warranty can be download on the website: http://www.bydenergy.com/resource-download?locale=EN

9. 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 system

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 ofgases	1 PKS	■ Pass　□Fail

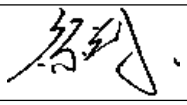
10. 对固定式电池储能系统可能存在的安全隐患进行评估
Assessment of possible safety hazards of the stationary battery energy storage system

潜在安全隐患 Possible safety hazards	缓解说明 Mitigation instructions	缓解证据 Mitigation evidence
无 None	/	/

11. 对可能发生且已识别到的危险进行缓解说明
Mitigation instructions in case the identified hazards could occur

潜在安全隐患 Possible safety hazards	缓解说明 Mitigation instructions
火灾 Fire	BMS在过热后会自动切断电源，且蓝灯闪烁警示。 The BMS automatically cuts off the power supply after overheating and the blue light flashes as a warning. 可用灭火剂：干粉、沙子、二氧化碳（CO_2）、水喷雾 Available fire extinguishers: Dry powder, sand, carbon dioxide (CO_2), water spray
爆炸 Explosion	BMS在温度急剧变化后会自动切断电源或发出报警；电池箱本体具备泄压阀，当内部气压≥10kPa时，会自动打开泄压阀。 BMS triggers auto-shutdown or alarm in case of abrupt temperature changes. Battery enclosure features a pressure relief valve that activates automatically at ≥ 10 kPa internal pressure. 可用灭火剂：干粉、沙子、二氧化碳（CO_2）、水喷雾 Available fire extinguishers: Dry powder, sand, carbon dioxide (CO_2), water spray

12. 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	2025-06-25