



新材料与产业技术北京研究院  
Material & Industrial Technology  
Research Institute, Beijing

Dept:

Revision:

## VB<sub>2</sub>空气电池电源产品说明书 VB<sub>2</sub> air battery Product Specification

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### 1. 产品描述 Product Description

VB<sub>2</sub>空气电池是以空气电极为正极、VB<sub>2</sub>燃料为负极、KOH碱性水溶液为电解质构成的一种新型高能量化学电源。具有比能量高、工作电压平稳、安全环保等特点。

The VB<sub>2</sub> air battery is a new type of high-energy chemical power which include the air anode, VB<sub>2</sub> cathode and KOH alkaline solution electrolyte. The advantages include high specific energy, stable working voltage, safe and environmental protection, etc.

### 2. 产品型号及性能 Product Model and Performance

- 产品型号: ZB-1860-01

Model: ZB-1860-01

- 外观尺寸: 286mm\*249mm\*142mm

External dimension: 286mm\*249mm\*142mm

- 电源质量: 6.5kg

Quality: 6.5kg

- 电源容量: 18V 60Ah

Capacity: 18V 60Ah

- 使用寿命: 大于 300 次 (通过更换 VB<sub>2</sub> 电极)

Service life: More than 300 times (By replace VB<sub>2</sub> electrode)

- 电源输出: 18V 或 USB5V 输出

Power output: 18V or USB 5V



### 3. 产品特点 Product Features

- 容量大: 理论容量为 4060 mAh/g

High capacity: 4060 mAh/g of theoretical capacity

- 工作电压平稳

Stable working voltage

- 安全性好: 安全可靠、没有爆炸隐患

Excellent security: Safe and reliable, non-explosion hazard

- 环保无污染: 无毒无害、放电产物可回收再利用



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Environmental protection: Non-toxic and no harm, recycling and reusing  
discharge product

#### 4. 应用领域 Applications

- 作为贮备电池，可用于电力中断、应急救灾、野外作业等情况下的应急照明、信号灯定位等；

As reserve battery, the VB<sub>2</sub> air battery can be used in emergency lighting and signal light location of power outage, emergency relief, fieldwork.

- 可以为小型电子设备和其它电池供电与充电使用，满足设备长时间工作需要。

It can be used in power supply and charge for small electronic devices and other batteries to meet the long working time of the equipment.

#### 5. 使用说明 Instructions

打开包装，按照提示与使用设备正确连接，可为电子设备充电或供电使用。使用完毕后贴好电源密封贴，待下次使用。使用过程中禁止电源倒立、正负极短接等。

Before using the power source charge or supply for electronic equipment, please open the packing and follow the instructions to connect the equipment with it. Do not stand upside down of power source and connect the positive and negative short circuit in using process. The sealing paste shall be used for the power source after using.

#### 6. 包装 Packing

电源经密封包装后外侧采用硬纸壳包装。

The outside use cardboard box package after the power source was sealed package.

#### 7. 储存 Storage

电源储存应保证环境温度0~35℃、通风条件良好，避免产品受潮。

Power storage shall ensure that the environment temperature between 0℃ and 35℃, the ventilate condition is very good and the product avoid damp.

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