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› [BESTEK](#) /

› [BESTEK Portable Power Station 1000W 180000mAh 648Wh User Manual](#)

BESTEK BESTEK 1000W Portable Power Station

BESTEK Portable Power Station 1000W 180000mAh 648Wh User Manual

Model: BESTEK 1000W Portable Power Station (B07Y1RL4RC)

1. PRODUCT OVERVIEW

The BESTEK Portable Power Station is a high-capacity, pure sine wave power source designed for both home and outdoor use. It provides reliable AC100V power, making it suitable for various electronic devices. This unit features a large 180000mAh (648Wh) battery capacity and a maximum output of 1000W. It is PSE certified for safety in Japan and supports solar charging.

純正弦波

100V 日本仕様

ソーラー充電対応



超大容量 **180000mAh** **648Wh**
最大出力1000W

※低出力及び無負荷で約90分間使用すると低負荷保護機能が作動し、自動的に電源がOFFになります。

Image: Front view of the BESTEK Portable Power Station, highlighting its 180000mAh capacity, 648Wh energy, and 1000W maximum output.

2. SAFETY INSTRUCTIONS AND PROTECTION FEATURES

To ensure safe operation and prolong the lifespan of your power station, please adhere to the following safety guidelines. This device incorporates five protective circuit functions for enhanced safety:

- **Overload Protection:** Automatically cuts off AC output if connected devices exceed the maximum output of the product.
- **Short Circuit Protection:** Automatically cuts off AC output if a short-circuited device is connected.
- **Over-Temperature Protection:** Automatically cuts off AC output if the internal temperature of the product exceeds approximately 65°C.
- **Under-Voltage Protection:** Automatically cuts off AC output if an abnormally low voltage is detected.
- **Over-Voltage Protection:** Prevents damage by not allowing output if an abnormally high voltage is detected.

Warning:

- Do not connect the included AC adapter plug to the main unit's output port. This can cause heat generation, rupture, fire, injury, or electric shock.
- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- Do not disassemble, repair, or modify the unit.
- Keep out of reach of children.

PSE検査合格済み製品

ZERTIFIKAT ◆ CERTIFICATE ◆ 認認証書 ◆ CERTIFICADO ◆ CERTIFICAT

適合同等証明書

Statement of Conformity Assessment



PSB Singapore

電気用品安全法第11条第1項に規定する技術基準及び法第9条第2項の基準を定める省令で定める基準（法第9条第1項第2号に係る検査に係るものに限る）に適合していることを証明します
I hereby certify that the product mentioned below complies with the technical requirements stipulated in Paragraph 1 of Article 9 of Electrical Appliances and Material Safety Law (hereinafter referred to as the Law) and the requirements defined by the ordinance of the Ministry of Economy, Trade and Industry based on Paragraph 2 of Article 9 of the Law (limited to item 2 of Paragraph 1 of Article 9 for inspection of the Law).

1. 合格番号: PSB-JP-2018-0294
Statement Number
2. 発行年月日: 平成30年07月02日
Date of Issue
3. 有効年月日: 平成35年07月01日
Date of Validity
4. 申請者名: (Manufacturer)
3rd Floor, No. 1 Kakaohua, Shenzhen Industrial Park, West Development Zone, Xixiang, Bao'an District, 518102 Shenzhen, Guangdong, PEOPLE'S REPUBLIC OF CHINA
名称: 廣東彭亨電子有限公司
Shenzhen Pengsheng Electronics Co., Ltd.
5. 検査項目: DC power supply units
検査種類: DC power supply units
6. 型式の記号: 型式記号
See attached "Type Classification"
7. 製造工場名: (Manufacturer)
3rd Floor, No. 1 Kakaohua, Shenzhen Industrial Park, West Development Zone, Xixiang, Bao'an District, 518102 Shenzhen, Guangdong, PEOPLE'S REPUBLIC OF CHINA
名称: 廣東彭亨電子有限公司
Shenzhen Pengsheng Electronics Co., Ltd.
8. 適用規格: JB0950-1(H29), JJ000(H25) and JS5032(H29)
Applied Standard for Testing
9. 適合性検査の方法: (Testing Method for Conformity Assessment)
1) 試験用の特定電気用品については、電気用品の取扱いの基準を定める省令に定める方法
With respect to testing for Category A products, the testing method is based on the technical requirements of the Electrical Appliances and Material stipulated in the MTEI Ordinance.
2) 当該特定電気用品に係る品出事業者又は事業場における検査設備については、電気用品安全法第11条第3項第2号の検査設備の備に資する検査設備ごとにそれぞれ当該技術上の基準の備に拠る方法
With respect to inspection facilities required for Category A products at the factory, Testing Method described in the column of the technical requirements for each inspection facilities in the column of inspection facilities is shown in the Appendix 4 of Enforcement Regulations of the Law

登録検査機関名
Name of registered CAB: TÜV SÜD PSB Pte Ltd

代表者名
Representative's name: Diamond Set

登録検査機関の住所
Address of registered CAB: 1 Science Park Drive, Singapore 118221

1/2



五つの保護回路機能で安心

- ### 出力オーバー保護

接続した機器が本製品の最大出力を超えた場合、ACコンセントへの出力をカットします。
- ### 出力ショート保護

ショートした機器が接続された場合、ACコンセントへの出力をカットします。
- ### 異常温度保護

製品内部の温度が約65℃を超えると、ACコンセントへの出力をカットします。
- ### 入力電圧低下保護

異常な低圧が入力された場合、ACコンセントへの出力をカットします。
- ### 入力過電圧保護

異常な高圧が入力された場合、ACコンセントから出力しません。

Image: Diagram illustrating the PSE certification and the five built-in protection features: overload, short circuit, over-temperature, under-voltage, and over-voltage protection.

3. PACKAGE CONTENTS

Please check that all items are present and undamaged upon opening the package:

- BESTEK Portable Power Station Unit
- AC Adapter for Charging
- Instruction Manual (this document)

Note: Solar panels are not included and must be purchased separately.

製品保証期間：一年間



ACアダプター



取扱説明書

付属品：充電用ACアダプター、取扱説明書。

※太陽光パネルは付属していません。

Image: The BESTEK Portable Power Station, its AC adapter, and the instruction manual, illustrating the items included in the package.

4. PRODUCT FEATURES AND PARTS IDENTIFICATION

Familiarize yourself with the various ports and controls on your BESTEK Portable Power Station:

- **Anderson Connector Output:** For specific DC output needs.
- **LCD Screen:** Displays battery level, input/output status, and other operational information.
- **AC Input Port:** For charging the unit using the provided AC adapter.
- **AC100V Output Ports:** Standard Japanese AC outlets for powering household appliances.
- **DC12V/10A Output Port:** For 12V DC devices.

- **Cigarette Socket Output:** Standard 12V car accessory socket.
- **QC3.0 USB Ports:** For fast charging compatible USB devices.
- **Standard USB Output Ports:** For charging various USB devices.
- **AC Power Switch:** To turn AC output on/off.
- **Handle:** For easy portability.

各部の名称

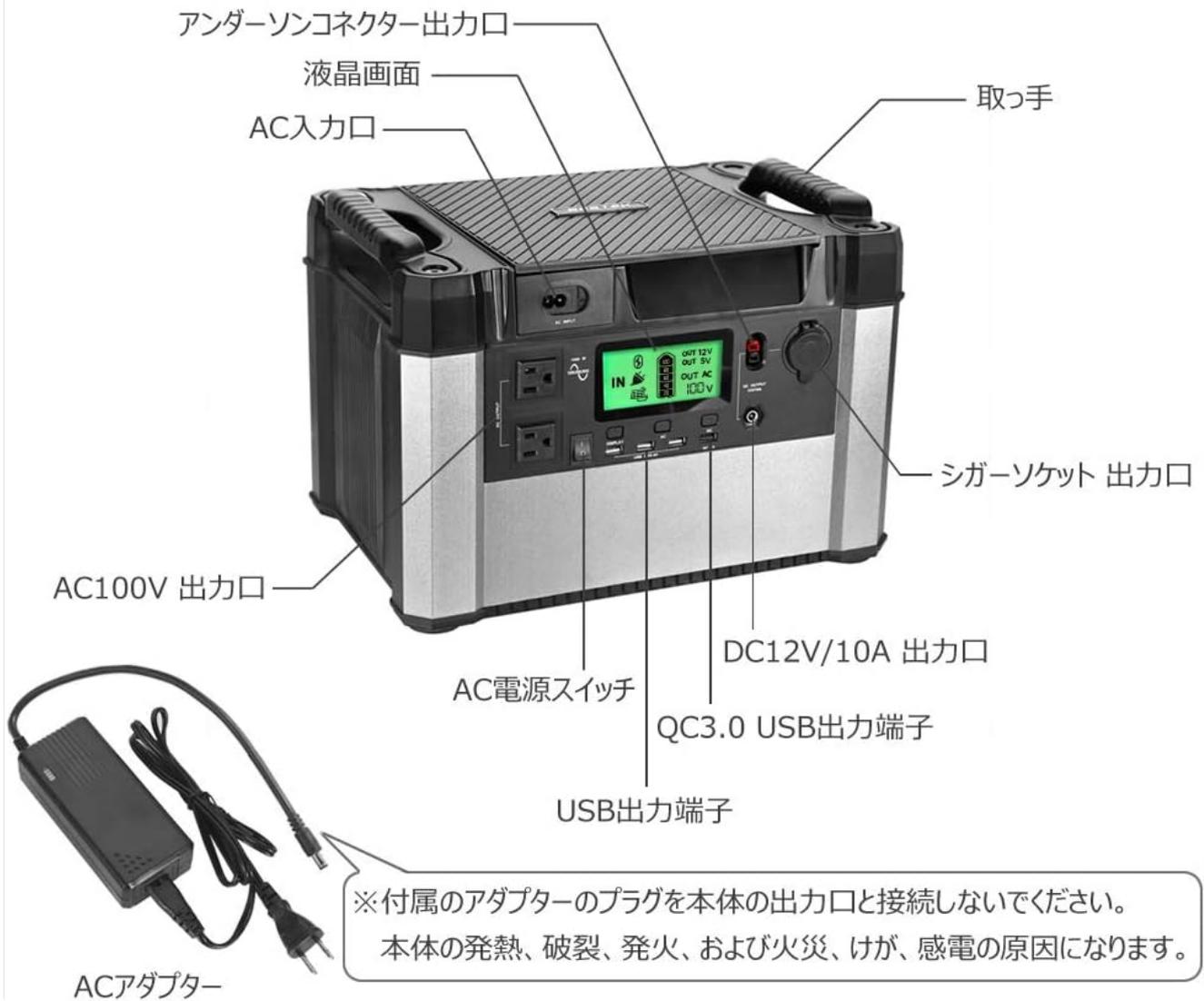


Image: Detailed diagram labeling the Anderson connector output, LCD screen, AC input, AC100V output, DC12V/10A output, cigarette socket, QC3.0 USB ports, standard USB ports, AC power switch, and handle.

5. SETUP

Before first use, it is recommended to fully charge the power station. This ensures optimal battery performance and provides an accurate initial battery level reading.

1. Unpack the power station and all accessories.
2. Place the unit on a stable, flat surface in a well-ventilated area.
3. Proceed to the "Charging" section to fully charge the unit before connecting any devices.

6. OPERATING INSTRUCTIONS

To use the power station, follow these steps:

1. **Power On:** Press and hold the main power button (if available, otherwise the AC power switch) to turn on the unit. The LCD screen will illuminate.
2. **AC Output:** To use the AC outlets, press the AC power switch. The AC indicator on the LCD screen will light up. Plug your AC devices into the AC100V output ports.
3. **DC Output:** To use the DC12V/10A or cigarette socket output, ensure the unit is powered on. Plug your 12V DC devices into the respective ports.
4. **USB Output:** To use the USB ports (QC3.0 or standard), ensure the unit is powered on. Plug your USB devices into the appropriate USB ports.
5. **Power Off:** After use, turn off the AC output by pressing the AC power switch. Then, press and hold the main power button (if applicable) to turn off the entire unit.

Note: If the AC output is not used for approximately 90 minutes with low load or no load, the low-load protection function may activate, and the power will automatically turn off. This is a safety and power-saving feature.

7. CHARGING THE POWER STATION

Your BESTEK Portable Power Station can be charged using two primary methods:

7.1. AC Adapter Charging

- Connect the provided AC adapter to the AC input port on the power station.
- Plug the AC adapter into a standard wall outlet (AC100V).
- The LCD screen will indicate charging status. A full charge typically takes approximately one day.

7.2. Solar Panel Charging (Solar Panel Sold Separately)

- Connect a compatible solar panel (not included) to the appropriate input port (e.g., Anderson connector input, if available and compatible).
- Ensure the solar panel is placed in direct sunlight for optimal charging efficiency.
- The LCD screen will indicate charging status. Charging time will vary depending on solar panel wattage and sunlight intensity.

充電方法

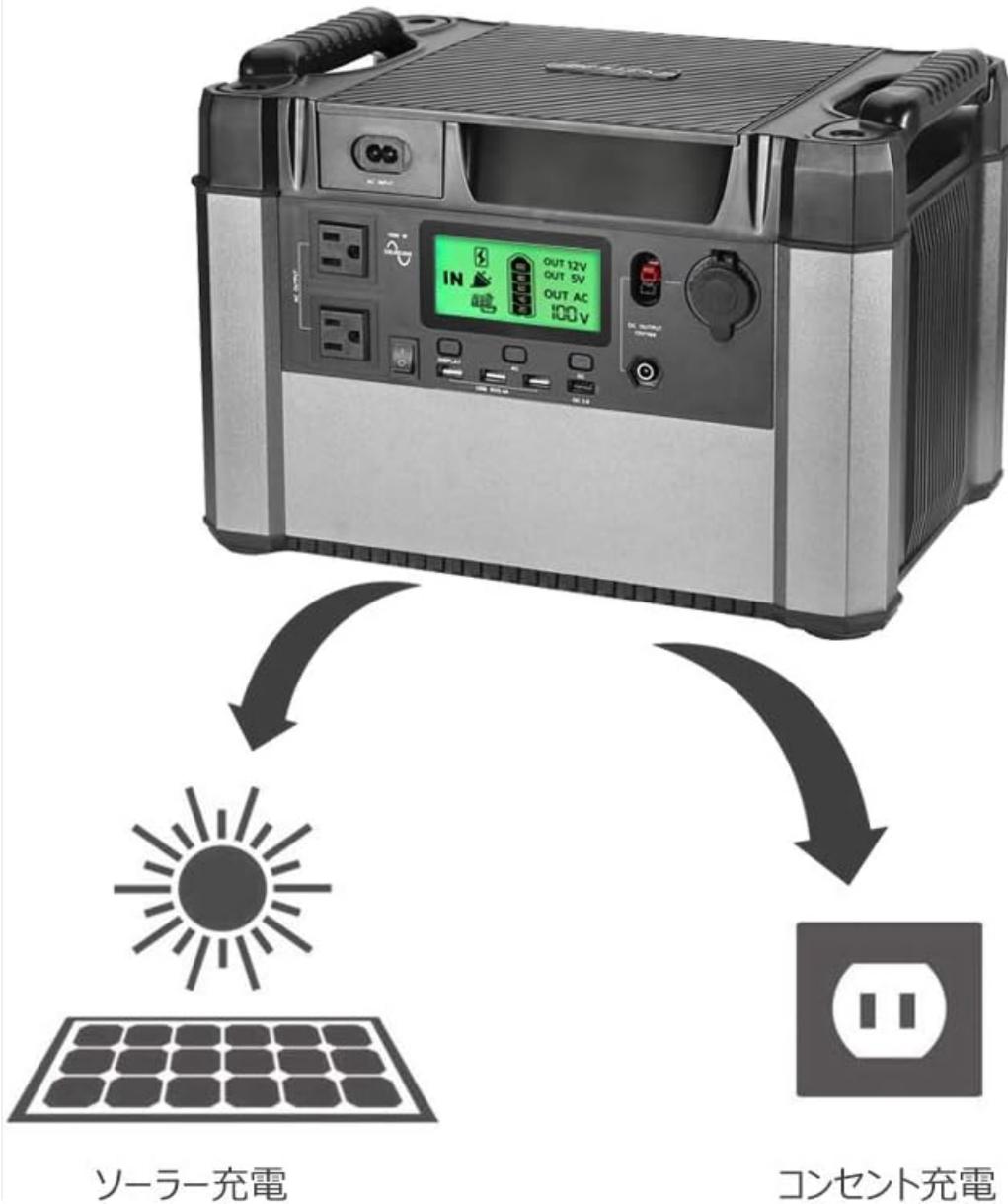


Image: Illustration depicting the two charging methods for the power station: solar charging via a solar panel and wall outlet charging via an AC adapter.

8. DEVICE COMPATIBILITY AND ESTIMATED RUN TIMES

The BESTEK Portable Power Station is compatible with a wide range of electronic devices. The following are estimated run times for common devices. Actual run times may vary based on device model, power consumption, and usage conditions.



Laptop (approx.
58Wh)

Approx. 9 hours



Smartphone
(approx. 12Wh)
**Approx. 45
charges**



Fan (approx. 17W)
**Approx. 30
hours**



Drone (approx.
40Wh)
**Approx. 13
hours**



Wireless Router
(approx. 8W)
**Approx. 60
hours**



LED Light (approx.
10W)
**Approx. 50
hours**



LCD TV (approx.
50W)
**Approx. 10
hours**



10L Refrigerator

(approx. 50W)

**Approx. 10
hours**

Image: Visual representation of various electronic devices (laptop, smartphone, fan, drone, wireless router, LED light, LCD TV, 10L refrigerator) and their estimated usage times with the power station.

Note: The above figures are estimates. Please confirm that the maximum power consumption of your device is within 1000W before use. Devices like electric kettles or microwave ovens require significant instantaneous power; please confirm their maximum power consumption with the manufacturer before connecting.

9. MAINTENANCE

Proper maintenance ensures the longevity and reliability of your power station:

- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Periodic Charging:** For optimal battery health, fully charge the power station at least once every 3-6 months, even if not in use. This prevents deep discharge and extends battery life.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use liquid cleaners or immerse the unit in water.
- **Inspection:** Periodically check the unit and cables for any signs of damage. Do not use if damaged.

10. TROUBLESHOOTING

If you encounter issues with your power station, refer to the following common troubleshooting steps:

- **Unit Not Turning On:**
 - Ensure the battery is charged. Connect to the AC adapter and attempt to charge.
 - Press and hold the power button for a few seconds.
- **No AC Output:**
 - Ensure the AC power switch is pressed and the AC indicator is lit on the LCD screen.
 - Check if the connected device's power consumption exceeds 1000W. Disconnect high-power devices.
 - If the unit has been idle with a low load for an extended period (approx. 90 minutes), the low-load protection may have activated. Turn the AC output off and then on again.
 - Check for short circuits in the connected device or cable.
 - If the unit feels excessively hot, over-temperature protection may have activated. Allow the unit to cool down in a well-ventilated area.
- **No USB/DC Output:**
 - Ensure the main unit is powered on.
 - Check the connected device and cable for faults.
- **Slow Charging:**
 - When charging via solar panel, ensure the panel is in direct sunlight and not obstructed.
 - Verify the solar panel's output matches the power station's input requirements.

- AC charging speed is fixed; a full charge can take up to a day.

If the problem persists after attempting these steps, please contact customer support.

11. SPECIFICATIONS

Parameter	Value
Brand	BESTEK
Model	BESTEK 1000W Portable Power Station (B07Y1RL4RC)
Battery Capacity	180000 mAh (648 Wh)
Max AC Output	1000W (Pure Sine Wave)
AC Voltage	100 Volts
Battery Type	Lithium Ion
DC Output	12V/10A, Cigarette Socket
USB Output	USB Type A, USB Type C (QC3.0)
Product Weight	14.4 Kilograms
Package Dimensions	49 x 38.5 x 35.5 cm

製品保証期間：一年間



ACアダプター



取扱説明書

付属品：充電用ACアダプター、取扱説明書。

※太陽光パネルは付属していません。

Image: Diagram showing the dimensions of the power station: 366mm (length), 257mm (width), and 257mm (height).

12. WARRANTY AND SUPPORT

This BESTEK Portable Power Station comes with a **one-year product warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

For technical support, warranty claims, or any inquiries regarding your product, please contact BESTEK customer service through the retailer where you purchased the product or refer to the official BESTEK website for contact information.

製品保証期間：一年間



ACアダプター



取扱説明書

付属品：充電用ACアダプター、取扱説明書。

※太陽光パネルは付属していません。

Image: Text indicating a one-year product warranty period.

13. USAGE SCENARIOS

The BESTEK Portable Power Station is versatile and ideal for various applications, including:

- **Outdoor Activities:** Enjoy worry-free outdoor activities like camping, car camping, and road trips without concerns about power outages.
- **Emergency Preparedness:** An essential item for disaster prevention, providing a reliable power source during blackouts or emergencies.
- **Home Backup:** Can power essential devices during unexpected power interruptions at home.

ドライブ旅行・車中泊・キャンプなどにて

電源切れの心配がないアウトドア活動を楽しめます



最高の停電対策用品

災害時などの停電の時も大変重宝します



Image: Left: Various outdoor scenes including camping and car camping, showing the power station in use. Right: Images depicting disaster scenarios like hurricanes, lightning storms, and earthquakes, with the power station providing emergency lighting.