

## EBL EB1000

# EBL EB1000 Portable Power Station User Manual

Model: EB1000 | 1000W / 999Wh Solar Generator

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## 1. INTRODUCTION

Thank you for choosing the EBL EB1000 Portable Power Station. This device is designed to provide reliable power for various applications, including camping, home backup, RV use, and off-grid scenarios. With a 1000W continuous power output and a 999Wh capacity, it can power a wide range of small appliances and electronics. This manual provides essential information for safe operation, optimal performance, and maintenance of your power station. Please read it thoroughly before use and retain it for future reference.

## 2. SAFETY INSTRUCTIONS

**Please observe the following safety precautions to prevent injury or damage to the device:**

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Do not place the unit near fire or expose it to direct sunlight or high temperatures.
- Do not charge, use, or store the unit in a bathroom or an area exposed to water or high humidity.
- Use only the provided or approved accessories.
- Do not use the unit if it is damaged or has been dropped.
- Keep the unit away from children and pets.
- Ensure proper ventilation during use and charging to prevent overheating. The built-in cooling fan will activate automatically.
- Avoid short-circuiting the output ports.
- Dispose of the product according to local regulations. Do not dispose of it with household waste.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- EBL 1000W Portable Power Station (EB1000)
- AC Adapter
- Car Charging Cable
- Solar Charging Cable
- Cable Storage Bag
- User Manual



Image: The EBL EB1000 Portable Power Station shown with its various included accessories, such as the AC adapter, car charging cable, solar charging cable, and storage bag.

## 4. PRODUCT OVERVIEW

### 4.1 Key Features

- **High Capacity & Output:** 999Wh capacity with 1000W continuous AC output (1100W overload protection).
- **Multiple Output Ports:** Includes AC, DC, USB-A QC3.0, USB-C PD 60W, 12V car outlet, and 10W wireless charging.
- **Advanced Safety:** Built-in Battery Management System (BMS) provides over-voltage, over-current, short-circuit, over-charge, overload, and over-heating protection.
- **Efficient Cooling:** Automatic cooling fan prevents overheating during operation.
- **Versatile Recharging:** Supports AC wall outlet, car charger, and solar panel charging.
- **User-Friendly Display:** LCD screen shows real-time power status, input/output wattage, and battery level.
- **Portable Design:** Compact size (11.57 x 7.95 x 7.95 inches) and lightweight (17.86 lbs) with a folding handle for easy transport.
- **Emergency Lighting:** Integrated SOS LED light with normal and flash modes.



Image: An internal diagram of the EBL EB1000 Portable Power Station highlighting the Battery Management System (BMS) and cooling fan, demonstrating its safety features including protection against over-voltage, over-current, short circuit, over-charge, overload, and overheating.

## 4.2 Port Layout

The EBL EB1000 features a comprehensive array of input and output ports for various devices:

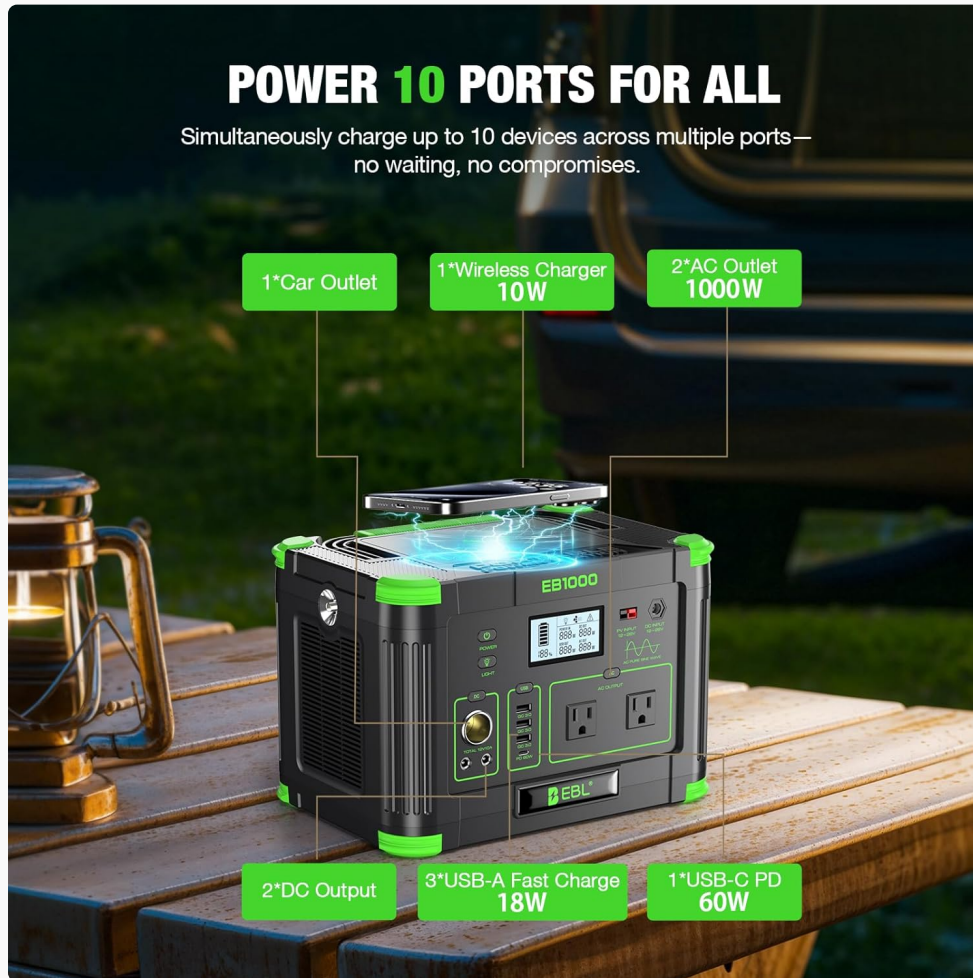


Image: A detailed view of the EBL EB1000 Portable Power Station, illustrating the location and type of its 10 output ports, including AC outlets, DC outputs, USB-A, USB-C PD, car outlet, and wireless charging pad.

- **AC Output:** 2x 100-120V AC outlets (1000W total)
- **DC Output:** 2x 12V DC 55\*25 ports (5A each), 1x 12V 10A car outlet
- **USB Output:** 3x USB-A QC3.0 ports (18W each), 1x USB-C PD port (60W)
- **Wireless Charging:** 1x 10W wireless charging pad
- **Input Ports:** DC input (for AC adapter and car charger), PV input (for solar panel)

## 5. INITIAL SETUP

Before first use, it is recommended to fully charge the EBL EB1000 Power Station. This ensures the battery is calibrated and ready for optimal performance.

1. Unpack the power station and all accessories.
2. Place the power station on a stable, flat surface in a well-ventilated area.
3. Connect the AC adapter to the DC input port on the power station and plug the adapter into a wall outlet.
4. Allow the unit to charge until the LCD display indicates 100% battery capacity.

## 6. CHARGING THE POWER STATION

The EBL EB1000 offers multiple charging methods to suit your needs.

### 6.1 AC Wall Charging

Use the included AC adapter to charge the power station from a standard wall outlet.

- Connect the AC adapter to the DC input port.
- Plug the AC adapter into a 100-120V wall outlet.
- Charging time: Approximately 7-8 hours for a full charge.

### 6.2 Car Charging

Charge your power station using your vehicle's 12V car outlet.

- Connect the included car charging cable to the DC input port.
- Plug the other end into your car's 12V cigarette lighter socket.
- Charging time: Approximately 9-11 hours for a full charge.

### 6.3 Solar Panel Charging

Utilize solar energy for an eco-friendly charging solution (solar panel sold separately).

- Connect a compatible solar panel (12-26V, 8A max) to the PV input port using the solar charging cable.
- Position the solar panel in direct sunlight for maximum efficiency.
- Charging time: Approximately 6-9 hours with a 200W solar panel, depending on sunlight intensity.

### 6.4 Pass-Through Charging

The EBL EB1000 supports pass-through charging, allowing you to power devices while the power station itself is being recharged.

## 3 WAYS FOR YOU TO RECHARGE



**200W Solar Panel**

6-9 hours



**Wall Outlet**

7-8 hours



**Car Outlet**

7-9 hours

Image: Visual representation of the three charging methods for the EBL EB1000: via a wall outlet, a car outlet, and a solar panel, with estimated charging times for each.

## 7. OPERATING THE POWER STATION

### 7.1 Powering On/Off

- Press and hold the main power button for 3 seconds to turn the unit on or off.
- The LCD screen will illuminate, displaying battery status and output information.

### 7.2 Using AC Output

- Press the AC power button to activate the AC outlets. The AC indicator on the LCD will light up.
- Plug your AC-powered devices into the 100-120V AC outlets.
- Ensure the total power consumption of your devices does not exceed 1000W.
- Press the AC power button again to turn off the AC outlets when not in use.

### 7.3 Using DC Output (12V Car & DC Ports)

- Press the DC power button to activate the 12V car outlet and DC 55\*25 ports. The DC indicator on the LCD will light up.

up.

- Connect your 12V DC devices.
- Press the DC power button again to turn off the DC outputs.

#### 7.4 Using USB Output (USB-A & USB-C)

- The USB ports (USB-A QC3.0 and USB-C PD) are typically active when the main power is on.
- Connect your USB-powered devices for fast charging.

#### 7.5 Using Wireless Charging

- Ensure the main power is on.
- Place your Qi-compatible device on the wireless charging pad located on top of the unit.
- The device should begin charging automatically.



Image: A smartphone being wirelessly charged on the integrated 10W charging pad of the EBL EB1000 Portable Power Station, demonstrating its cable-free charging capability.

#### 7.6 LCD Display

The LCD screen provides real-time information:

- Battery level indicator
- Input power (W)
- Output power (W) for AC, DC, and USB
- Error codes (if any)

The LCD screen has a 20-second auto-sleep function to conserve energy.

#### 7.7 SOS LED Light

- Press the light button once for normal illumination.
- Press again for SOS flash mode.
- Press a third time to turn off the light.



Image: The EBL EB1000 Portable Power Station demonstrating its convenient LED light feature, showing options for bright illumination, SOS signal, and a general flash light mode, useful for emergencies or outdoor activities.

## 8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your EBL EB1000 Power Station.

- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the unit to 50-80% every 3-6 months to preserve battery health.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents.

- **Battery Life:** The unit features a hibernation mode that activates after 8 hours of low load (less than 5W) to preserve battery life.
- **Ventilation:** Ensure the cooling fan vents are not obstructed during operation.

## 9. TROUBLESHOOTING

If you encounter issues with your EBL EB1000, refer to the following common problems and solutions:

| Problem                              | Possible Cause                                 | Solution   |
|--------------------------------------|--|--|
| Unit does not turn on                | Battery is completely depleted.                | Connect the unit to an AC wall outlet for charging. Allow it to charge for at least 30 minutes before attempting to power on.            |
| No output from AC/DC/USB ports       | Output ports not activated.                    | Ensure the respective AC or DC power buttons are pressed and their indicators are lit on the LCD screen.                                 |
| Device not charging via wireless pad | Device not Qi-compatible or improperly placed. | Verify your device supports Qi wireless charging. Reposition the device on the charging pad to ensure proper alignment.                  |
| Overload protection activated        | Connected devices exceed 1000W.                | Disconnect some devices to reduce the total load. Restart the power station.   |
| Unit overheating                     | Poor ventilation or prolonged high load.       | Ensure cooling vents are clear. Reduce load. Move to a cooler environment. The cooling fan should activate automatically.                |
| LCD displays "A06" error code        | Internal fault or battery issue.               | This indicates a potential internal error. Disconnect all devices and contact customer support for assistance. Do not attempt to repair. |

## 10. SPECIFICATIONS

| Feature                     | Detail  |
|-----------------------------|---|
| Brand                       | EBL   |
| Model Name                  | EB1000  |
| Capacity                    | 999Wh   |
| Running Wattage             | 1000 Watts  |
| Starting Wattage            | 1100 Watts  |
| AC Output                   | 2x 100-120V AC outlets  |
| DC Output                   | 2x 12V DC 55*25 ports (5A each), 1x 12V 10A car outlet  |
| USB Output                  | 3x USB-A QC3.0 (18W), 1x USB-C PD (60W)   |
| Wireless Charging           | 10W   |
| AC Charging Time            | 7-8 hours   |
| Car Charging Time           | 9-11 hours  |
| Solar Input                 | 12-26V, 8A max (6-9 hours with 200W solar panel)  |
| Item Weight                 | 17.86 lbs (8.1 kg)  |
| Item Dimensions (L x W x H) | 11.57 x 7.95 x 7.95 inches (29.4 x 20.2 x 20.2 cm)  |
| Battery Type                | Lithium-ion   |
| Safety Features             | BMS (Over-voltage, Over-current, Short-circuit, Over-charge, Overload, Over-heating protection) |



Image: A diagram illustrating the physical dimensions of the EBL EB1000 Portable Power Station, showing its length, width, and height measurements.

## 11. WARRANTY AND SUPPORT

The EBL EB1000 Portable Power Station comes with a **2-Year Manufacturer's Warranty**.

If you experience any issues or have questions regarding your product, please contact EBL customer support. Refer to the contact information provided in your warranty card or on the official EBL website for assistance.