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› GRECELL Portable Power Station EB1000 User Manual

GRECELL EB1000

GRECELL Portable Power Station EB1000 User Manual

Model: EB1000

1. PRODUCT OVERVIEW

The GRECELL EB1000 is a portable power station designed to provide reliable power for various applications, including camping, RV travel, home backup, and emergency situations. It features a 999Wh capacity with a 1000W continuous AC output (2000W peak surge) and multiple charging ports.



Image: The GRECELL EB1000 Portable Power Station, a compact and robust device for off-grid power.

Key Features:

- **High Capacity & Power Output:** 999Wh capacity with 1000W continuous AC output (2000W peak) for powering essential devices.
- **Pure Sine Wave Technology:** Ensures stable power output, safe for sensitive electronics like CPAP machines and laptops.
- **Multiple Charging Ports:** Includes 2x 110V AC outlets, 1x 60W USB-C PD, 3x 18W USB-A QC, 10W wireless charging pad, 12V car port, and 2x DC outputs.
- **Triple Recharge Options:** Recharge via AC wall outlet, 12V car port, or MPPT solar panels for versatile power replenishment.
- **LiFePO4 Battery:** Automotive-grade battery offers over 2000 charge cycles for extended lifespan and enhanced safety.
- **Advanced BMS:** Integrated Battery Management System protects against over-charge, short-circuit, and overload.

- **Portable Design:** Weighs approximately 17 lbs with an ergonomic handle for easy transport.
- **Integrated LED Light:** Features an LED light with SOS mode for emergency illumination.

2. IMPORTANT SAFETY INFORMATION

Please read and understand all safety instructions before operating the GRECELL EB1000 Portable Power Station. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Do not expose the unit to fire or direct sunlight for prolonged periods.
- Do not charge, use, or store the unit in a bathroom or in an area exposed to water or high humidity.
- Use only the recommended accessories and chargers.
- Ensure proper ventilation during use and charging to prevent overheating.
- Keep the unit away from children and pets.
- Avoid dropping, impacting, or subjecting the unit to strong vibrations.
- If the unit emits an unusual odor, generates heat, or shows any other abnormality, discontinue use immediately and contact customer support.

BMS BATTERY SYSTEM & COOLINGFAN SAFE AND QUIET



Image: Internal view highlighting the BMS Battery System and Cooling Fan, which provide protection against over voltage, over current, short circuit, over charge, over load, and over heating.

3. SETUP AND INITIAL CHARGING

Unpacking

Carefully remove the GRECELL EB1000 from its packaging. Verify that all components listed in the product manual are present and undamaged. Keep the packaging for future storage or transport.

Initial Charge

Before first use, it is recommended to fully charge the power station. This ensures optimal battery performance and calibration. Connect the provided AC adapter to a wall outlet and then to the power station's AC input port. The display will indicate charging status.

Charging Methods

The GRECELL EB1000 offers multiple ways to recharge:

- **AC Wall Outlet:** Using the included AC adapter, a full charge takes approximately 7-8 hours.
- **Solar Panels:** Connect compatible solar panels (not included) via the MPPT input. Charging time varies based on solar conditions and panel wattage (e.g., a 200W solar charger takes about 6-8 hours). An MC4 solar cable is included for compatibility.
- **12V Car Port:** Recharge using your vehicle's 12V car outlet. This method typically takes 9-10 hours for a full charge.

3 WAYS TO RECHARGE

Flexibility Meets Convenience



Image: Illustration of the three charging methods: solar panel, AC wall adapter, and 12V car charger.

4. OPERATING YOUR POWER STATION

Control Panel and Display

The front panel of the EB1000 features an LCD display and various output ports with individual control buttons. The LCD display shows real-time wattage, battery percentage, and estimated runtime.



Image: The front panel of the GRECELL EB1000, showing the LCD display, AC outlets, DC outputs, car outlet, USB-A ports, USB-C PD port, and wireless charging pad.

Connecting Devices

To power a device, connect it to the appropriate output port on the power station. Press the corresponding power button

(e.g., AC, DC, USB) to activate the output. The LCD display will show the power consumption.

- **AC Outlets:** For devices requiring 110V AC power, up to 1000W continuous.
- **USB-C PD (60W):** For fast charging compatible devices like laptops (e.g., MacBook).
- **USB-A QC 3.0:** For quick charging smartphones and other USB devices.
- **DC Outputs & Car Port:** For 12V DC devices.
- **Wireless Charging Pad:** Place compatible devices on the pad for 10W wireless charging.

PD 60W FAST CHARGING

Get Your Mac BOOK Pro fully charged in 3-4 Hours.



Image: A user charging a MacBook Pro with the GRECELL EB1000 via the 60W USB-C PD port, demonstrating fast charging capability in an outdoor setting.

Pass-Through Charging

The EB1000 supports pass-through charging, allowing you to power devices while the power station itself is being recharged. This feature is useful for continuous power supply.



Image: The GRECELL EB1000 being recharged by a solar panel while simultaneously powering a drone and a camera, illustrating its pass-through charging capability.

Powering Various Devices

The EB1000 can power a wide range of devices. The following table provides estimated runtimes for common appliances:

EMERGENCY BACKUP POWER OPTION

 **0.9h** (1000w)
Rice Cooker

 **25h** (40w)
CPAP

 **76h** (13w)
Laptop

 **60h** (15w)
32"TV

 **76h** (13w)
Floor Lamp

 **25h** (40w)
Fan

 **16.5h** (55w)
Electrical Towels

 **1.8h** (500w)
Washing Machine

 **0.9h** (1000w)
Coffee Maker

 **55times** (18w)
Camera

 **11times** (85w)
Drone

 **90times** (10w)
Phone

 **17h** (55wh)
Air Mattress

 **16.5h** (60w)
Mini fridge



Image: A visual guide showing estimated runtimes for various devices like rice cookers, CPAP machines, laptops, TVs, floor lamps, fans, electric towels, washing machines, coffee makers, cameras, drones, phones, and mini-fridges when powered by the EB1000.



Image: A family enjoying a picnic, with the GRECELL EB1000 powering a small coffee maker and toaster, demonstrating its utility for outdoor activities.

5. MAINTENANCE AND STORAGE

Battery Care

The GRECELL EB1000 uses a LiFePO4 battery, known for its long lifespan (over 2000 charge cycles). To maximize

battery life:

- Avoid fully discharging the battery frequently.
- Recharge the unit at least once every 3-6 months if not in regular use.
- Store the unit with a charge level between 50% and 80%.

Cleaning

Wipe the exterior of the power station with a dry, soft cloth. Do not use abrasive cleaners or solvents. Ensure all ports are free from dust and debris.

Storage

Store the power station in a cool, dry place, away from direct sunlight, heat sources, and moisture. The recommended storage temperature is between 14°F and 113°F (-10°C and 45°C).

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not turn on	Battery is completely discharged; Power button not pressed correctly.	Charge the unit; Press and hold the main power button for 3 seconds.
No AC output	AC output not activated; Device power consumption exceeds 1000W; Overload protection triggered.	Press the AC power button; Reduce the load; Disconnect the device, restart the AC output.
No USB output	USB output not activated; Device is not compatible.	Press the USB power button; Ensure device is compatible with USB-A QC or USB-C PD.
Slow charging via solar	Insufficient sunlight; Solar panel not correctly positioned; Panel wattage too low.	Ensure direct sunlight; Adjust panel angle; Use higher wattage solar panels.

If the problem persists after trying these solutions, please contact customer support.

7. TECHNICAL SPECIFICATIONS

Feature	Value
Brand	GRECELL
Model Name	EB1000
Capacity	999Wh
AC Output (Continuous)	1000W
AC Output (Peak)	2000W

Feature	Value
AC Voltage	110 Volts
Battery Type	LiFePO4
USB-C PD Output	60W
USB-A QC Output	3x 18W
Wireless Charging	10W
DC Output	2x DC outputs, 1x 12V Car Port
Recharge Time (AC)	7-8 hours
Recharge Time (Car)	9-10 hours
Item Weight	18.2 Pounds
Product Dimensions (L x W x H)	13.82" x 9.56" x 9.85"
Fuel Type	Solar
Power Source	Solar Powered
Recommended Uses	Camping, Residential

8. WARRANTY AND CUSTOMER SUPPORT

Warranty Information

The GRECELL EB1000 Portable Power Station comes with a **24-month warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, warranty claims, or any questions regarding your GRECELL EB1000, please contact GRECELL customer support. You can find contact information on the official GRECELL website or through the retailer where you purchased the product.

Visit the official GRECELL Store for more information:[GRECELL Store](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Why is my new GRECELL EB1000 portable power station not charging?

If your new GRECELL EB1000 is not charging, please check the following troubleshooting steps based on the manual: Check Connections: Ensure the AC adapter is firmly plugged into both the wall outlet and the power...

[Read full answer](#)