

Togo POWER ADVANCE1000LFP

Togo POWER A1000LFP Portable Power Station User Manual

Model: ADVANCE1000LFP | Brand: Togo POWER

1. INTRODUCTION

Thank you for choosing the Togo POWER A1000LFP Portable Power Station. This device is designed to provide reliable and portable power for various applications, from outdoor adventures and camping to emergency home backup. Featuring a robust LiFePO4 battery, multiple output ports, and fast charging capabilities, the A1000LFP ensures you have power whenever and wherever you need it.

This manual provides essential information on the safe operation, maintenance, and troubleshooting of your power station. Please read it thoroughly before use to ensure optimal performance and longevity of the product.

2. KEY FEATURES

- **Massive Capacity & Exceptional Portability:** Offers 1037Wh capacity and 1000W pure sine wave AC output (2000W surge). Compact size (11.42"L x 7.91"W x 10.71"H) and lightweight (26.5lbs) for easy transport.
- **Powerful Special Function Design:** Achieves a quick charge in 1.5 hours. Features a safe and intelligent BMS system for monitoring voltage, current, and temperature. Equipped with a clear LCD screen and unique ventilation design for efficient heat dissipation.
- **Smart Safety & Uninterrupted Power:** Includes EPS (Emergency Power Supply) mode, switching to battery power within 10ms during outages. ECO mode automatically turns off the power station after 1 hour of inactivity to save energy.
- **Power Up to 10 Devices:** Provides 2 USB-C (MAX 45W/100W), 2 USB-A (Max 36W), 2 DC ports, 1 cigarette lighter output, 1 wireless charging pad, and 2 parallel connection ports.
- **Versatile 4-in-1 Charging Ways:** Supports charging via solar power (12-28V, 200W max), car charger (12V), PD 100W wall socket (100-240V), or AC input (120V~800W).
- **Durable LiFePO4 Battery:** Utilizes LiFePO4 batteries with a lifespan of over 5000 cycles and a service life of nearly 10 years. Built-in MPPT controller for maximum solar power extraction.

3. SETUP GUIDE

1. **Unboxing:** Carefully remove the power station and all accessories from the packaging. Retain the packaging for future storage or transport.
2. **Inspect Contents:** Verify all included components are present and undamaged. Refer to the 'Included Components' section for a complete list.

3. **Initial Charge:** It is recommended to fully charge the power station before first use. Connect the AC charging cable to a wall outlet and the power station's AC input port. The LCD screen will indicate charging status.
4. **Placement:** Place the power station on a stable, flat surface in a well-ventilated area, away from direct sunlight, heat sources, and moisture.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

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

4.2 Using AC Output

To use the AC outlets, press the 'AC' button. The AC indicator light will turn on. Plug your devices into the AC outlets. Ensure the total wattage of connected devices does not exceed 1000W (or 2000W surge). Press the 'AC' button again to turn off AC output when not in use.



The Togo POWER A1000LFP features an Emergency Power Supply (EPS) mode, ensuring seamless power transition within 10

milliseconds during outages, keeping essential devices running.

4.3 Using DC/USB Output

The DC and USB ports are typically active when the unit is powered on. Simply plug your devices into the appropriate ports (USB-A, USB-C, 12V DC, or cigarette lighter port). The wireless charging pad is located on top of the unit; place compatible devices on it to charge.

4.4 ECO Mode

The ECO mode can be activated by pressing the 'ECO' button. When ECO mode is on, the power station will automatically shut down after 1 hour of inactivity or low power usage to conserve battery life. This is ideal for saving energy when devices are not continuously drawing power. To disable ECO mode for continuous power to sensitive devices (e.g., CPAP, fridge), press the 'ECO' button again.

Parallel System

2 Advance1000LFP parallel to achieve

2000W × 2 → OUTPUT → **4000Wh**

2074W × 2 → CAPACITY → **4148Wh**

The ECO mode helps preserve battery life by automatically shutting down the power station after a period of inactivity or low power draw.

4.5 Parallel System

The A1000LFP supports parallel connection with another A1000LFP unit to double the output and capacity. Refer to

the dedicated parallel connection cable and instructions for safe setup.



Two A1000LFP units can be connected in parallel to achieve higher output (2000W x 2) and capacity (2074Wh x 2), providing even more power for demanding applications.

5. CHARGING YOUR POWER STATION

The Togo POWER A1000LFP offers multiple charging options for convenience and flexibility:

- **AC Wall Outlet:** Connect the provided AC charging cable to the AC input port. Fully charges in approximately 1.5-2 hours.
- **Solar Panel:** Connect a compatible solar panel (12-28V, 200W max) to the solar input port. Charging time is approximately 5-6 hours, depending on sunlight intensity. The built-in MPPT controller optimizes solar charging efficiency.
- **Car Charger:** Use the XT60 to Car Charger Cable to charge from your vehicle's 12V cigarette lighter port. Charging time is approximately 9-10 hours.
- **USB-C (PD 100W):** Can also be charged via the 100W USB-C port, taking approximately 11-12 hours.



9 Output Ports:

2 AC Port
(1000W Max)

2 USB-A

1 USB-C
USB-C 100W

1 Car Port

1 wireless
charger

1 Cigarette
lighter port

The power station supports 1.5-hour fast charging via AC input and offers versatile charging options including solar, car, and USB-C.



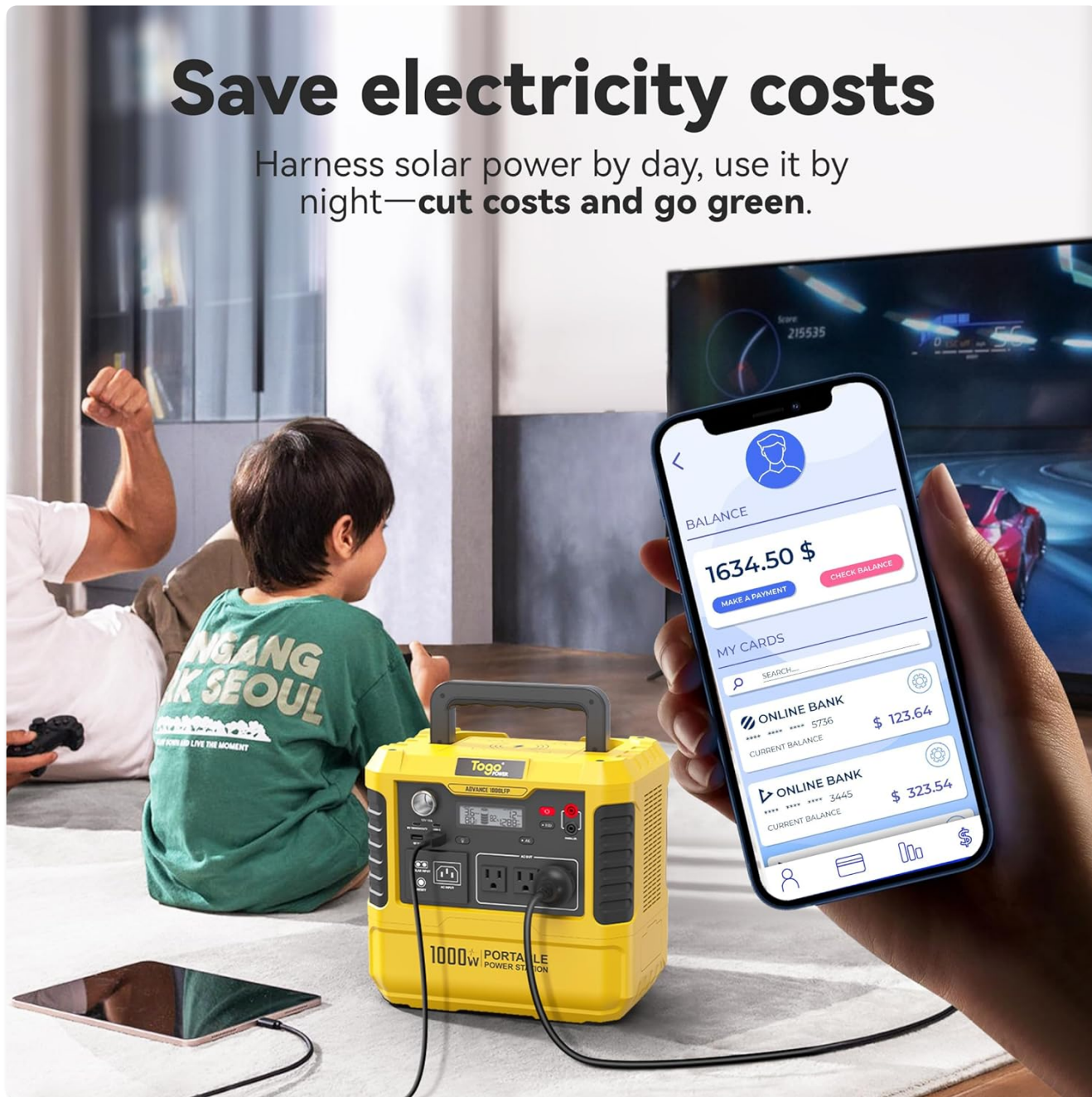
Multiple charging methods provide flexibility for recharging your power station wherever you are.

6. OUTPUT PORTS

The A1000LFP is equipped with a variety of output ports to power different devices simultaneously:

- **AC Outlets (x2):** 1000W max (2000W surge) pure sine wave output for household appliances.
- **USB-C Ports (x2):** One 100W max (input/output) and one 45W max.

- **USB-A Ports (x2):** Max 36W combined output.
- **DC Ports (x2):** For 12V DC devices.
- **Cigarette Lighter Output (x1):** For car appliances.
- **Wireless Charging Pad (x1):** Located on top for compatible smartphones.



The power station offers a comprehensive array of output ports to charge up to 10 devices simultaneously.

7. SAFETY AND DURABILITY

The Togo POWER A1000LFP is built with advanced safety features and durable components to ensure reliable and safe operation:

- **LiFePO4 Batteries:** Utilizes A+ grade LiFePO4 cells, certified for 9-stage national lab standards, offering over 5000 life cycles.
- **Unibody Drop-Proof Design:** Constructed for enhanced durability and resistance to impacts.
- **Industrial Temperature Control:** Advanced thermal management system to prevent overheating.
- **Low Voltage Ripple:** Ensures stable power output (<20mV) for appliance safety.

- **Battery Management System (BMS):** Monitors voltage, current, and temperature, providing multiple protections including overcharging, short circuit, over current, over/under voltage, temperature alarm, and overload protection.

Core Safety & Durability

A+ LiFePO4 Batteries



(9-Stage National Lab Certified)

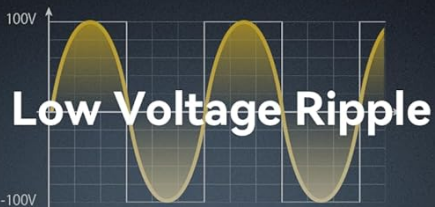


- Unibody Drop-Proof
- Industrial Temp Control

2-YEAR
Full Warranty



- **10K** Insertion Cycles
- **50K-80K** Button Presses



(< 20mV for Appliance Safety)



The power station's core safety and durability features include high-quality LiFePO4 batteries and robust construction.



7 PROTECTIONS

EV-Rated LiFePO4 Cells

Togo[®]
POWER



5000
Cycles

Others



Overcharging
Protection



Short Circuit
Protection



Over Current
Protection



Voltage Control
Over/Under Voltage



Temperature
Control Low/High



Low Battery
Alarm



Overload
Protection

The advanced Battery Management System (BMS) provides comprehensive protection for the power station and connected devices.

8. MAINTENANCE

- **Cleaning:** Use a dry, soft cloth to clean the exterior of the power station. Do not use abrasive cleaners or immerse the unit in water.
- **Storage:** When not in use for extended periods, store the power station in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to charge the unit to 50-80% every 3-6 months to maintain battery health.
- **Ventilation:** Ensure the ventilation vents are clear of obstructions during operation to prevent overheating.

9. TROUBLESHOOTING

- **Unit Not Turning On:** Ensure the battery is charged. If not, connect to a power source and attempt to charge.
- **No Output from Ports:** Check if the specific output (AC, DC, USB) is enabled. Verify the device is properly connected and not exceeding the port's power limit.
- **Overload Protection Activated:** If an overload occurs, the unit may shut down. Disconnect the overloaded device, wait a few minutes, and restart the power station. Reduce the load before reconnecting.
- **Charging Issues:** Ensure the charging cable is securely connected and the power source is active. If using solar, ensure panels are in direct sunlight and correctly oriented.
- **Unusual Noise or Smell:** Immediately turn off the unit and disconnect all devices. Contact customer support for assistance.

10. SPECIFICATIONS

Feature	Detail
Brand	Togo POWER
Model Number	ADVANCE1000LFP
Wattage	1000 watts
Fuel Type	Electric

Feature	Detail
Power Source	Battery Powered
Item Weight	26.5 Pounds (12 kg)
Voltage	120 Volts (AC)
Product Dimensions	11.42"L x 7.91"W x 10.71"H
Battery Type	LiFePO4
Life Cycles	5000+
Special Features	Portable, Digital Display, Overload Protection, Super Quiet, Lightweight, EPS Mode, ECO Mode

Fast Charge

1037^{Wh} Capacity | **1000^{Wh}** Output | **2000^{Wh}** Surge



4 Input Choices



USB-C Port
(100W)
11-12 Hrs



AC Charger
1.5-2 Hrs



Solar Charger
5-6 Hrs



Car Charger
9-10 Hrs

The compact dimensions and manageable weight make the A1000LFP highly portable.

11. INCLUDED COMPONENTS

- 1x Togo POWER ADVANCE1000LFP Portable Power Station
- 1x AC Cable
- 1x XT60 to Car Charger Cable
- 1x User Manual (this document)



The package includes essential accessories for immediate use and charging.

12. WARRANTY AND SUPPORT

Togo POWER provides a 2-year full warranty for the A1000LFP Portable Power Station, ensuring peace of mind regarding product quality and performance. For any product questions, technical support, or warranty claims, please contact Togo POWER customer service through the official website or your purchase platform. Please have your model number and purchase information ready when contacting support.

13. PRODUCT VIDEOS

This video provides an overview of the Togo POWER A1000LFP Portable Power Station, showcasing its features and various applications.