

GENDOME Home3000

GENDOME Home3000 Portable Power Station and 200W Foldable Solar Panel User Manual

Model: Home3000

Brand: GENDOME

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, and maintenance of your GENDOME Home3000 Portable Power Station and the accompanying 200W Foldable Solar Panel. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.



Image 1.1: The GENDOME Home3000 Portable Power Station and its 200W Foldable Solar Panel.

2. SAFETY INSTRUCTIONS

Always adhere to the following safety guidelines to prevent injury, electric shock, fire, or damage to the product:

- 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 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 original or certified cables and accessories.
- Keep the unit away from children and pets.
- Ensure proper ventilation during use and charging to prevent overheating.
- Do not drop, hit, or subject the unit to strong impacts.
- In case of fire, use a dry powder fire extinguisher.

3. PRODUCT OVERVIEW

3.1. Components

- GENDOME Home3000 Portable Power Station
- 200W Foldable Solar Panel
- AC Charging Cable
- Solar Charging Cable (MC4 to XT60)
- User Manual

3.2. Ports and Indicators

The Home3000 is equipped with 17 output ports to support a wide range of devices. Refer to the diagram below for port identification.

Fast Power Supply

(3000W AC Output & PD 3.1 140W USB-C Output)



Image 3.1: Detailed view of the GENDOME Home3000's input and output ports.

- **AC Output Ports:** 3000W total (6000W Peak) for household appliances.
- **USB-C Ports:** Two PD 3.1 140W USB-C ports for fast charging compatible devices.
- **USB-A Ports:** Four QC 3.0 18W USB-A ports.
- **Wireless Charging Pads:** Two 15W wireless charging pads on top.
- **DC Output Ports:** Two 120W (12V/10A) DC output ports.
- **Car Port:** 120W (12V/10A) car port.
- **RV Port:** 360W (12V/30A) RV port.
- **Display Screen:** Shows battery level, input/output wattage, and other status indicators.

4. SETUP

4.1. Initial Charging

Before first use, fully charge the Home3000 Power Station. Connect the AC charging cable to a wall outlet. The

display will indicate charging status. The unit can reach 80% charge in approximately 50 minutes using an 1800W wall outlet.



Image 4.1: The Home3000 Power Station connected to a wall outlet for fast charging.

4.2. Solar Panel Connection

To charge using the 200W Foldable Solar Panel:

1. Unfold the solar panel and position it in direct sunlight for maximum exposure.
2. Connect the solar panel to the Home3000 Power Station using the provided solar charging cable.
3. The display on the power station will show the solar input wattage. Adjust the panel's angle for optimal charging efficiency.



Image 4.2: The GENDOME Home3000 Power Station connected to a solar panel in an outdoor setting.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off

Press and hold the main power button for a few seconds to turn the unit on or off. The display will illuminate upon activation.

5.2. Charging Devices

Connect your devices to the appropriate output ports. Ensure the output port is activated if necessary (some ports may have individual power buttons). The Home3000 can power a wide array of household appliances and electronic devices.

Stay Powered Even Far from the Grid



Image 5.1: The Home3000 Power Station is capable of powering a wide range of devices, including refrigerators, televisions, and mobile phones.

5.3. Charging the Power Station

The Home3000 supports three charging methods:

- **Wall Outlet:** Connect the AC charging cable to a standard wall outlet.
- **Solar Power:** Connect the 200W Foldable Solar Panel as described in Section 4.2.
- **Wind Energy:** The unit is compatible with wind energy charging (requires separate wind turbine and appropriate adapter, not included).

No Long Wait **80%** Charge in **2** Hours



Image 5.2: The Home3000 Power Station offers versatile charging options including wall, solar, and wind power.

5.4. Mobile App Connectivity

The GENDOME Home3000 can be connected to a mobile application for remote monitoring and control. Download the official GENDOME app from your device's app store. Follow the in-app instructions to pair your power station and monitor device usage, battery status, and charging parameters.

Connect via Mobile App Easily Monitor Device Usage



Gendome

Image 5.3: A user interacting with the GENDOME mobile application to monitor the power station's status.

6. MAINTENANCE

6.1. Cleaning

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

6.2. Storage

If storing the unit for an extended period, charge it to approximately 60-80% every 3-6 months to maintain battery health. Store in a cool, dry place away from direct sunlight and extreme temperatures.

6.3. Battery Longevity

The GENDOME Home3000 utilizes an EV-grade LiFePO4 battery, designed for durability and safety. It retains 60% of its original capacity after over 6500 charge cycles. Adhering to proper charging and storage practices will maximize its lifespan.

EV-Grade Battery for Longer Use

EV-grade LiFePO₄ battery, 6500 cycles with 60% original capacity

LiFePO₄
Battery

6500
Maximum Cycles

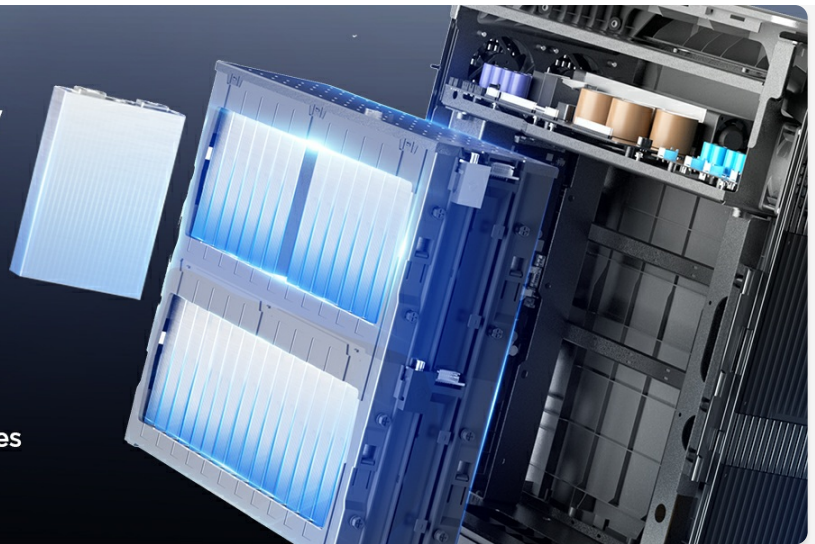


Image 6.1: An illustration of the internal EV-grade LiFePO₄ battery cells, highlighting their durability.

7. TROUBLESHOOTING

If you encounter issues with your GENDOME Home3000, refer to the following common problems and solutions:

- **Unit Not Turning On:** Ensure the battery is charged. If not, connect to an AC outlet for charging.
- **No Output from Ports:** Check if the specific output port is activated. Some ports may have individual power buttons. Ensure the device connected is within the power station's output limits.
- **Slow Charging:** For solar charging, ensure the panel is in direct sunlight and free from obstructions. For AC charging, verify the wall outlet is functioning correctly.
- **Overload Protection Activated:** If the unit shuts down due to overload, disconnect some devices and restart the power station. Ensure the total wattage of connected devices does not exceed 3000W.
- **Display Not Working:** Try restarting the unit. If the issue persists, contact customer support.

The Home3000 includes multiple protection features such as overcharge, over-discharge, over-current, overload, short-circuit, and temperature protection to ensure safe operation.


Comprehensive Protection for Device Security


Overvoltage
Protection


Under-Voltage
Protection


Overcurrent
Protection


Over Discharge
Protection


Overload
Protection


Cryogenic
Protection


High Temperature
Protection


Short Circuit
Protection

Image 7.1: Visual representation of the comprehensive safety protections integrated into the Home3000 Power Station.

8. SPECIFICATIONS

8.1. GENDOME Home3000 Portable Power Station

Feature	Specification
Model Number	Home3000
Battery Type	EV-grade LiFePO4
Capacity	3072Wh
AC Output	3000W (6000W Peak)
USB-C Output	2 x PD 3.1 140W
USB-A Output	4 x QC 3.0 18W
Wireless Charging	2 x 15W Pads
DC Output	2 x 120W (12V/10A)
Car Port	120W (12V/10A)
RV Port	360W (12V/30A)
AC Input (Wall)	Up to 1800W
Solar/Wind Input	Up to 1500W
Charge Cycles	6500+ to 60% capacity
UPS Protection	≤12ms

8.2. 200W Foldable Solar Panel

Feature	Specification
Power Output	200W
Cell Type	High-purity monocrystalline silicon
Conversion Efficiency	23%
Folded Dimensions	13 x 16.9 x 2 inches
Unfolded Dimensions	Approximately 49.2 x 59.7 inches (based on image)
Weight	9.5 lbs
Waterproof Rating	IP68

Product Size

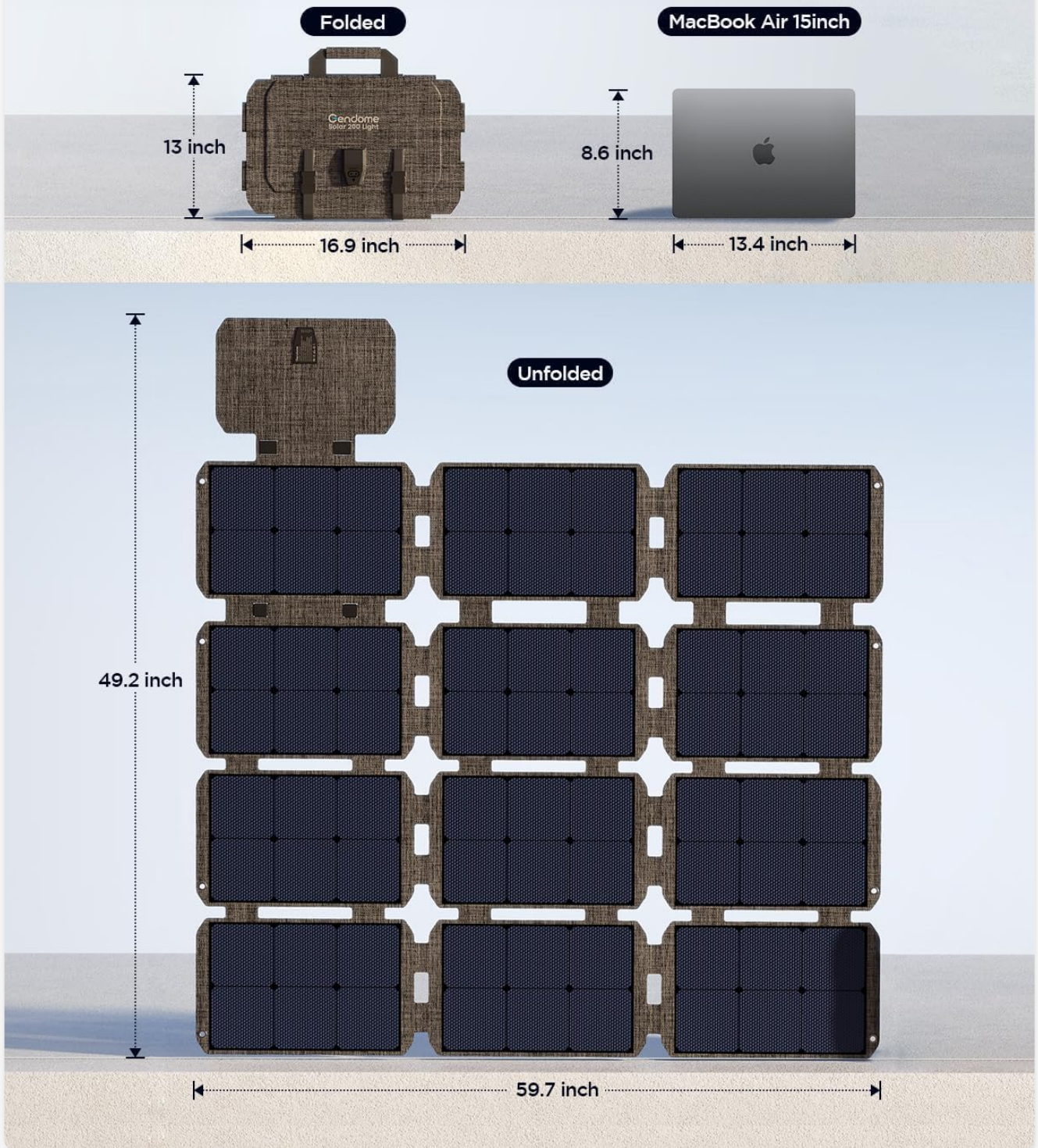


Image 8.1: Dimensions of the 200W Foldable Solar Panel, both folded and unfolded.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your GENDOME Home3000 Portable Power Station or 200W Foldable Solar Panel, please contact GENDOME customer service through the official website or your purchase platform. Please have your model number and purchase date available when contacting support.

