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GENDOME Home3000

GENDOME Home3000 Portable Power Station User Manual

Model: Home3000 | Brand: GENDOME

1. PRODUCT OVERVIEW

The GENDOME Home3000 is a high-capacity portable power station designed to provide reliable power for various applications, including home emergencies, RV trips, camping, and other outdoor activities. It features a durable LiFePO₄ battery, multiple output ports, and flexible charging options to ensure your devices remain powered wherever you are.



Figure 1: GENDOME Home3000 Portable Power Station

2. KEY FEATURES

- 3072Wh Large Capacity:** Provides substantial power for extended use during outages or off-grid adventures.
- 3000W AC Output:** Capable of powering a wide range of household appliances.
- 17 Versatile Output Ports:** Includes AC, DC, USB-A, and high-power 140W USB-C ports, plus two wireless charging pads.
- Multiple Charging Methods:** Supports wall outlet, solar, and wind energy charging for flexibility.
- Durable LiFePO₄ Battery:** EV-grade battery with over 6500 charge cycles, ensuring long-term reliability and safety.
- Smart Control via App:** Monitor battery status, adjust settings, and view usage history remotely using the Gendome app.
- Comprehensive Protection:** Built-in safeguards against overcharge, over-discharge, over-current, overload, short-circuit, and temperature fluctuations.

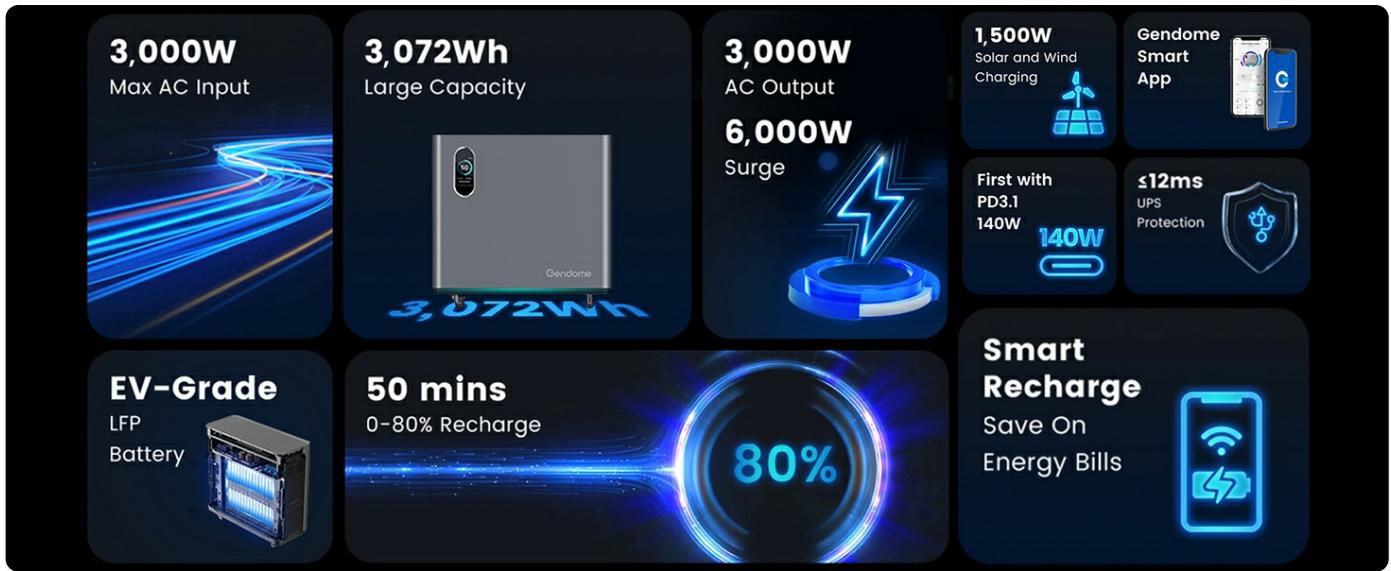


Figure 2: Overview of GENDOME Home3000's core features and capabilities.

3. WHAT'S IN THE BOX

- GENDOME Home3000 Portable Power Station

4. PRODUCT LAYOUT AND PORTS

The GENDOME Home3000 is equipped with a variety of input and output ports to accommodate diverse charging and powering needs. Familiarize yourself with the layout for optimal use.

Fast Power Supply

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

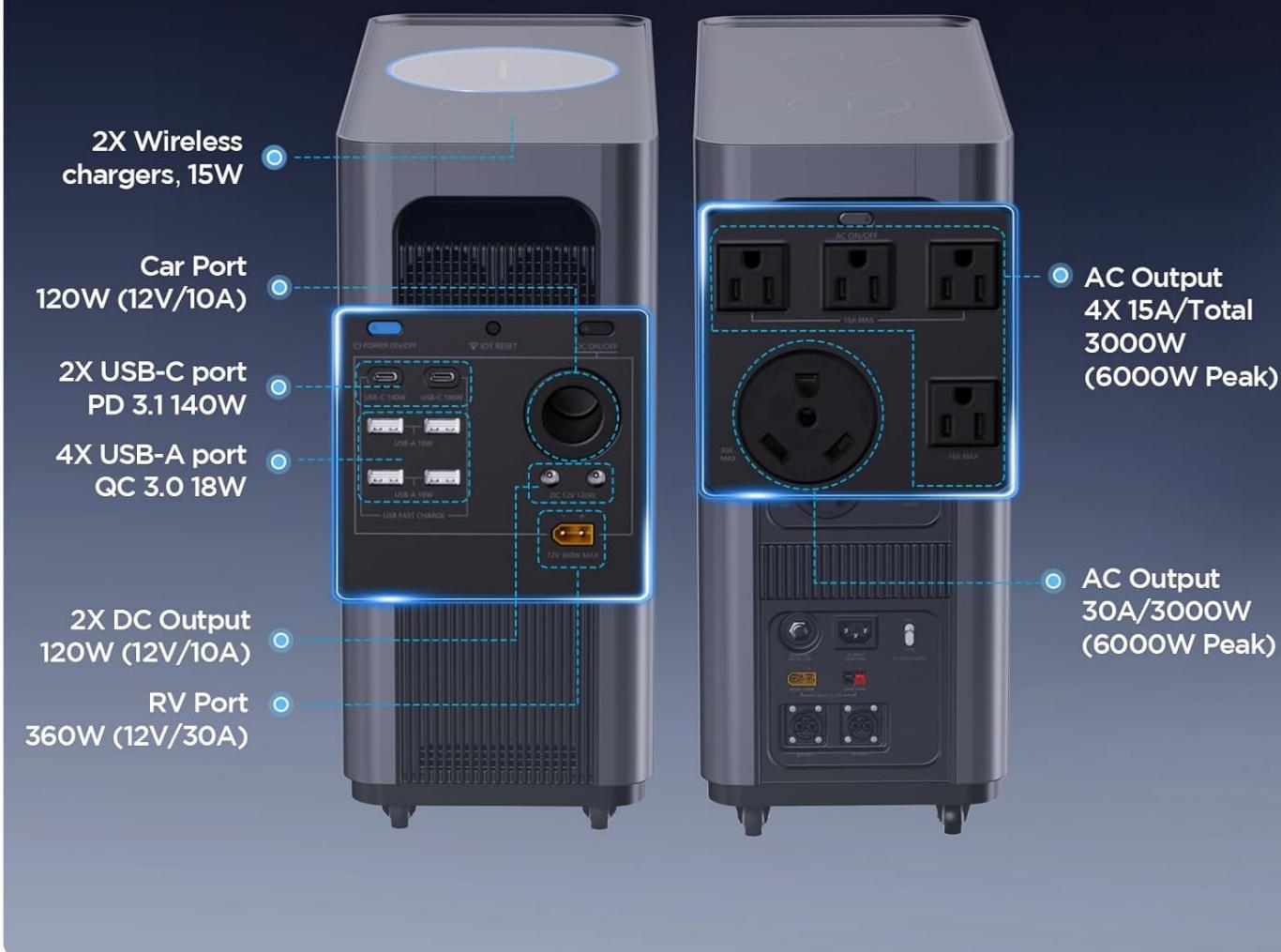


Figure 3: Detailed diagram of the GENDOME Home3000's input and output ports.

- **AC Output:** 4x 15A/Total 3000W (6000W Peak) for standard appliances.
- **AC Output:** 30A/3000W (6000W Peak) for high-power appliances.
- **USB-C Ports:** 2x PD 3.1 140W for fast charging laptops and other compatible devices.
- **USB-A Ports:** 4x QC 3.0 18W for charging smartphones and tablets.
- **Wireless Charging Pads:** 2x 15W pads for convenient wireless charging.
- **DC Output:** 2x 120W (12V/10A) for DC-powered devices.
- **Car Port:** 120W (12V/10A) for car accessories.
- **RV Port:** 360W (12V/30A) for RV-specific appliances.
- **Solar/DC Input:** For connecting solar panels or other DC charging sources.
- **AC Input:** For charging via a standard wall outlet.

5. SETUP AND CHARGING THE HOME3000

Before first use, ensure the Home3000 is fully charged. The unit supports multiple charging methods.

5.1 Wall Outlet Charging

Connect the Home3000 to a standard 1800W wall outlet using the provided AC charging cable. The unit can charge up to 80% in approximately 50 minutes.



Figure 4: Charging the Home3000 via a wall outlet for rapid recharge.

5.2 Solar and Wind Energy Charging

For off-grid charging, connect compatible solar panels or a wind turbine to the Solar/DC Input port. This provides flexibility for power generation in remote areas.

Stay Powered Even Far from the Grid



Figure 5: Utilizing solar and wind power to charge the Home3000.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

To power on the Home3000, press and hold the main power button until the display illuminates. To power off, press and hold the same button until the display turns off.

6.2 Using AC/DC/USB Outputs

Once powered on, press the respective AC, DC, or USB power buttons to activate the desired output ports. The display will show active outputs and power consumption. Plug your devices into the appropriate ports.

3072Wh

Long-lasting Power, No Outage

*Not affiliated with shown brands. For compatibility demonstration only



ARCTIC CHEF 2 Door Refrigerator - 43H



Upstremen 3.2 Cu Ft Mini Fridge - 68H



Airlony 10W Desk Lamp - 307H



Ambimall 6W Floor Lamps - 512H



VIZIO 40" D-Series Smart TV - 57H



60W Pedestal Fan - 51H



Figure 6: The Home3000 can power a wide array of devices and appliances.

6.3 LED Light Functionality

The integrated LED light can be activated by pressing its dedicated button. Multiple presses may cycle through different brightness levels or an SOS mode. Press and hold to turn off.

6.4 Smart Control with Gendome App

Download the Gendome app to remotely control and monitor your Home3000. The app allows you to check battery status, view historical usage, and adjust charging speeds for a more convenient experience.

Powers 99.99% of Devices



Refrigerator



Desk Lamp



Computer



Television



Fan



Mobile Phone



Air Conditioner



Juicer



Microwave



Hair Dryer

Figure 7: Monitor and control your Home3000 remotely using the Gendome app.

7. BATTERY TECHNOLOGY AND SAFETY

The GENDOME Home3000 utilizes a high-performance EV-grade LiFePO₄ battery, known for its durability and safety. This battery is designed to last for over 6500 charge cycles while retaining 60% of its original capacity.



Figure 8: Internal view highlighting the EV-grade LiFePO₄ battery for extended lifespan.

7.1 Comprehensive Protection Features

The Home3000 is equipped with multiple protection features to ensure safe and stable operation:

- Overcharge Protection
- Over-discharge Protection
- Over-current Protection
- Overload Protection
- Short-circuit Protection
- Temperature Protection



Figure 9: Visual representation of the multi-layered protection systems.

8. USAGE SCENARIOS

The GENDOME Home3000 is designed for versatility, providing power in various situations:

8.1 Home Emergency Power

In the event of power outages, the 3072Wh capacity can keep essential household functions running smoothly, such as refrigerators, lights, and communication devices.

3072Wh

Long-lasting Power, No Outage

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Figure 10: The Home3000 providing power to various home devices.

8.2 Outdoor and Mobile Use

Its portable design makes it ideal for RVs, camping, and other outdoor activities, ensuring you have power for cooking, lighting, and charging personal electronics.

Stay Powered Even Far from the Grid



Figure 11: The Home3000 being used for power in an outdoor camping scenario.

9. OFFICIAL PRODUCT VIDEOS

Gendome Portable Power Station

Your browser does not support the video tag.

Video 1: An overview of the Gendome Portable Power Station, showcasing its features and design.

Gendome Portable Power Station Home3000

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Video 2: A brief demonstration of the Gendome Home3000 Portable Power Station.

A practical power supply for both home and outdoor use

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Video 3: Demonstrating the versatility of the power station for both indoor and outdoor applications.

10. SPECIFICATIONS

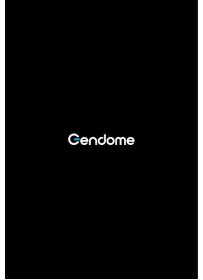
Attribute	Value
Brand	GENDOME
Model Name	Gendome Home 3000
Battery Capacity	3072Wh
Battery Type	EV-grade LiFePO ₄
AC Output	3000W (6000W Peak)
USB-C Output	2x PD 3.1 140W
Total Output Ports	17
Charging Methods	Wall Outlet, Solar, Wind
Wall Outlet Charge Time (80%)	50 minutes (with 1800W input)
Battery Cycle Life	6500+ cycles (to 60% original capacity)
Item Weight	84.9 pounds
Product Dimensions	13.7" L x 25.98" W x 26.57" H
Special Feature	Portable

11. WARRANTY AND SUPPORT

The GENDOME Home3000 Portable Power Station comes with a 2-year manufacturer's warranty. For technical support, troubleshooting, or warranty claims, please refer to the contact information provided in your product packaging or visit the official GENDOME website.

Related Documents - Home3000

	<p>Gendome Solar 200 Light 200W Foldable Solar Panel User Manual</p> <p>User manual for the Gendome Solar 200 Light, a 200W foldable solar panel. Provides specifications, overview, connection instructions, usage guidelines, what's in the box, and FAQs for optimal performance and safety.</p>
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	<p><u>Gendome Go 300 Portable Power Station User Manual</u></p> <p>Comprehensive user manual for the Gendome Go 300 Portable Power Station, detailing its specifications, safety instructions, operation, charging methods, maintenance, and troubleshooting fault codes.</p>
	<p><u>Gendome Micro 15,000mAh Power Bank: Fast Charging, LiFePO4 Battery, Dual Device</u></p> <p>Explore the Gendome Micro, a 15,000mAh portable power bank featuring advanced EV-proven LiFePO4 battery technology for superior safety, long-lasting power, and 22.5W fast charging. This compact charger supports dual-device charging and includes essential cables.</p>