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Egretech Sonic 1500W

Egretech Portable Power Station Sonic 1500W Instruction Manual

Model: Sonic 1500W

INTRODUCTION

The Egretech Portable Power Station Sonic 1500W is a high-capacity, fast-charging power solution designed for various applications, including outdoor activities, emergency backup, and RV use. Featuring a 1619Wh LiFePO4 battery, 1500W continuous output (3000W peak), and multiple charging options, it provides reliable power for essential devices and appliances.

WHAT'S IN THE BOX

Upon unboxing your Egretech Portable Power Station Sonic 1500W, you will find the following items:

- Egretech Portable Power Station Sonic 1500W Unit
- AC Charging Cable
- Car Charging Cable
- User Manual

POWER 7 DEVICES SIMULTANEOUSLY

①

1500W 2x AC

②

24W 2x USB-A

③

100W 2x Type-C

④

132W 1x Car Output

⑤

1x Wall Charger Cable

⑥

1x Car Charger Cable

⑦

1x Manual



Image: The Egrettech Sonic 1500W Portable Power Station displayed with its essential accessories, including the AC charging cable, car charging cable, and the user manual. The power station features various output ports and a clear display screen.

Your browser does not support the video tag.

Video: An unboxing video of the Egrettech Sonic 1500W Portable Power Station, demonstrating the contents of the package and initial setup steps.

PRODUCT FEATURES

- **Super Fast Charging:** Utilizes G-Flow Fast Recharge Technology, charging from 0% to 80% in 60 minutes with a 1200W AC input. A full recharge takes approximately 100 minutes with a single AC cable.
- **Extra High Capacity:** 1619Wh capacity with G-Wave Overload Inverter, powering appliances with a peak power of 3000W (rated 1500W).

- **UPS Support:** Seamlessly switches to battery power within 20ms during power failures, protecting devices from interruption. Supports simultaneous charging and discharging.
- **Clean and Green Solar Energy:** Dynamic MPPT intelligent algorithm increases solar recharging speed by 22%. Supports a maximum of 800W solar power input, achieving a full charge in 2-3 hours.
- **Tailored for Versatility:** Features 2 x 100W Max PD 3.0 USB-C ports, 2 x USB-A ports, 2 x 1500W Max pure sine wave AC ports, and 1 x 132W Max DC car port, allowing simultaneous charging of up to eight devices.
- **Enhanced Battery Safety:** Equipped with a Battery Management System (BMS) providing 12 layers of protection and supporting over 3000 charge cycles.



Image: The power station connected to a wall outlet, illustrating its fast charging capabilities: 0-80% in 60 minutes and 0-100% in 100 minutes with a 1200W AC input.



Image: A diagram illustrating the Uninterruptible Power Supply (UPS) feature, showing the power station seamlessly switching to battery power to keep a desktop computer running during a power failure.

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Video: A demonstration of the Sonic 1600W, 1619Wh Power Station's features, including its UPS functionality and various output ports.



Image: The power station connected to a solar panel in an outdoor setting, highlighting its effective and green solar energy charging capabilities.

POWER 7 DEVICES SIMULTANEOUSLY

1

1500W 2x AC

2

24W 2x USB-A

3

100W 2x Type-C

4

132W 1x Car Output

5

1x Wall Charger Cable

6

1x Car Charger Cable

7

1x Manual



Image: A detailed view of the Egrettech Sonic 1500W, showcasing its multiple output ports including 2 AC outlets, 2 USB-A ports, 2 USB-C ports, and a car output port, enabling simultaneous power for up to 7 devices.



Image: A graphic detailing the advanced Battery Management System (BMS) of the power station, emphasizing its 3000+ cycles and 12 protection features for ensuring daily battery safety.

SETUP AND OPERATING INSTRUCTIONS

Basic Operation

1. **Power On/Off:** Press and hold the main power button to turn the product on or off.
2. **DC Output:** Press the DC button to start the DC output port.
3. **AC Output:** Press the AC button to start the AC output port.
4. **USB Output:** Press the USB button to start the USB-A and USB-C output ports.

Charging Port Description

The unit features various ports for input and output:

- **USB Output Ports:** USB-A (24W) and USB-C (100W) for charging mobile devices.
- **AC Output Ports:** Standard AC outlets for appliances.
- **DC Output Port:** Car output port.
- **AC Input Port:** For wall charging.
- **Solar/Car Input Port:** For solar panel or car charging.
- **Overload Protection:** A reset button for overload situations.

Light Modes

The power station includes a built-in light with multiple modes:

- Soft lighting
- Intense lighting
- SOS (Morse code)
- Flashing
- Off

Your browser does not support the video tag.

Video: A user demonstrating how to use the portable power station, including powering it on, connecting devices, and utilizing solar charging.

CHARGING METHODS

AC Wall Charging

Connect the provided AC charging cable to the AC input port on the power station and plug it into a standard wall outlet. The unit will charge from 0% to 100% in approximately 100 minutes.



Image: The power station connected to a wall outlet, illustrating its fast charging capabilities: 0-80% in 60 minutes and 0-100% in 100 minutes with a 1200W AC input.

Solar Charging (XT60 Type)

Connect compatible solar panels (up to 800W max) to the Solar/Car Input port using an XT60 connector. The dynamic MPPT algorithm optimizes charging speed. Charging times vary based on solar panel wattage and sunlight conditions:

- 1x 800W Solar Panel: 2-3 hours for 0-100% charge.
- 1x 400W Solar Panel: 5-6 hours for 0-100% charge.
- 1x 200W Solar Panel: 10-11 hours for 0-100% charge.



Image: The power station in an outdoor setting, demonstrating its effective and green solar energy charging capabilities.

Car Charging

Use the provided car charging cable to connect the power station to your vehicle's cigarette lighter port. This allows you to charge the unit while driving.

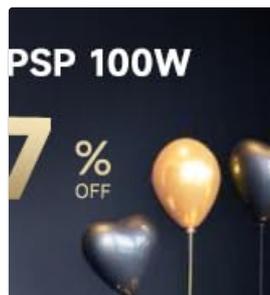


Image: The power station being charged inside a car by plugging it into the cigarette lighter, indicating a 10-46V car recharge.

USAGE EXAMPLES

The Egrettech Sonic 1500W can power a wide range of devices and appliances. Below are some examples of its capabilities:

High Wattage Appliances (G-Wave Overload Inverter up to 3000W Peak)

- Electric Drill (800W): ~2 hours
- Jack Hammer (1300W): ~1.2 hours
- Electric Saw (1440W): ~1.1 hours
- Grass Trimmer (2200W): ~50 minutes



Image: The power station demonstrating its ability to drive high-wattage tools such as an electric drill, jack hammer, electric saw, and grass trimmer, with estimated usage times.

Outdoor Use

- Acoustic Bass (10W): ~161 hours
- Phone (20Wh): ~73 times
- Laptop (65Wh): ~22 times
- Car Fridge (120W): ~13.7 hours
- Coffee Machine (1600W): ~1.1 hours



Image: The power station in an outdoor camping scenario, providing power for various devices including an acoustic bass, phone, laptop, car fridge, and coffee machine, with estimated usage times.

Indoor Use / Home Backup

- LED Lamp (60W): ~27 hours
- Electric Kettle (1500W): ~1.1 hours
- Oven (1650W): ~1 hour
- Water Heater (1800W): ~50 minutes
- Induction Cooker (2200W): ~48 minutes



Image: The power station in a kitchen environment, demonstrating its capability to power household appliances such as an

SAFETY INFORMATION

Please read and follow all safety instructions to ensure safe operation and prolong the lifespan of your Egrettech Portable Power Station.

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from fire, heat sources, and direct sunlight.
- Do not expose the unit to water or other liquids.
- Use only original or certified cables and accessories.
- Ensure proper ventilation during use to prevent overheating.
- Keep out of reach of children and pets.
- Store the unit in a cool, dry place when not in use.

MAINTENANCE

- Regularly check the unit for any signs of damage.
- Clean the exterior with a dry, soft cloth. Avoid using harsh chemicals.
- Charge the unit fully at least once every three months to maintain battery health.
- Store the unit in a temperature-controlled environment (0°C to 40°C / 32°F to 104°F).

TROUBLESHOOTING

- **Unit not turning on:** Ensure the battery is charged. Press and hold the power button for a few seconds.
- **No output from ports:** Ensure the specific output port (DC, AC, USB) is activated by pressing its respective button. Check for overload protection activation (reset button).
- **Slow charging:** Verify the charging cable is securely connected. For solar charging, ensure panels are in direct sunlight and properly angled.
- **Overload Protection triggered:** Disconnect high-power devices and press the overload protection reset button.

SPECIFICATIONS

Feature	Detail
Product Name	Portable Power Station Sonic
Output Power	1500W (Peak 3000W)
Battery Capacity	1619Wh (LiFePO4)
Product Weight	33.07 lbs (15.00 kg)
Product Volume	11.81"L x 8.46"W x 9.76"H
Working Temperature	-10°C to 40°C (Charging) / -20°C to 40°C (Discharging)
Noise Volume	41.0dB Max
USB-A Output	24W (x2)
USB-C Output	100W (x2)

AC Output	1500W Pure Sine Wave (x2)
DC Car Output	132W Max
AC Input	1200W (0-80% in 60 min, 0-100% in 100 min)
Solar/Car Input	XT60 port (800W Max)

WARRANTY AND SUPPORT

Egretech insists on product-independent research and development innovation, prioritizing customer satisfaction. We aim to achieve the goal of "Light, Thin & Fast," providing global customers with portable and efficient power stations. Egretech offers a 2-year after-sales service for all products to ensure your experience after purchasing our products. We provide the following after-sales services:

- Q&A and consultation
- Repair and Return
- Technical Support

For further assistance, please visit the [Egretech Official Store](#).