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SinKeu E300

SinKeu Portable Power Station E300 User Manual

Model: E300 | Brand: SinKeu

1. INTRODUCTION

Thank you for choosing the SinKeu Portable Power Station E300. This device is a versatile and reliable power solution designed for various applications, including outdoor adventures, emergency backup, and home use. With its 256Wh LiFePO4 battery and 300W AC output, it provides stable and efficient power for your electronic devices.

2. PRODUCT FEATURES

- **High Capacity:** 256Wh (equivalent to 80000mAh, 3.2V) LiFePO4 battery.
- **Powerful Output:** 300W pure sine wave AC output.
- **Multiple Ports:** 8 diverse output ports including 2* AC 110V, 2* USB-A 5V/3.1A, 1* USB-C PD 18W, 2* DC 5521, and 1* 12V 10A car port.
- **Portable Design:** Weighs only 6.5 lbs, compact dimensions (7.48"L x 5.51"W x 9.05"H) for easy transport.
- **Advanced Safety:** Equipped with a Battery Management System (BMS) offering 12 safety features, including over-charge, over-current, over-voltage, over-heat, and short-circuit protection.
- **Durable Battery:** LiFePO4 battery ensures over 3500 charge-discharge cycles and a 10-year lifespan.
- **Integrated Lighting:** Built-in camping light with steady, strobe, and SOS modes for emergencies.
- **Quiet Operation:** Operates at less than 45 decibels to ensure minimal disturbance.

8 Versatile Outlets

Meet your diverse charging needs



2×AC outputs



2×DC5521



2×USB-A



1×USB-C



1×Car port



1×Charge port



Figure 2.1: SinKeu Portable Power Station E300 with 8 versatile outlets, including AC, DC, USB-A, USB-C, and car port, charging multiple devices.

LIGHT & PORTABLE

10-YEAR BATTERY LIFE



Figure 2.2: Person carrying the lightweight SinKeu Portable Power Station E300 in a backpack, highlighting its portability.

3. SETUP AND INITIAL USE

Upon receiving your SinKeu E300, it is recommended to fully charge the unit before its first use to optimize battery performance. Ensure all cables are securely connected.

3.1 Powering On/Off

- To power on the unit, long-press the 'POWER' button. The LCD display will illuminate.
- To power off the unit, long-press the 'POWER' button again until the display turns off.

3.2 Activating AC Output

- After powering on, press the 'SWITCH' button next to the AC outlets to activate the AC output function.
- A red triangle indicator may briefly appear for 3-5 seconds during AC output verification; this is normal and will disappear.
- To deactivate AC output, press the 'SWITCH' button again.

4. OPERATING INSTRUCTIONS

The SinKeu E300 offers various output ports to charge and power your devices. The LCD display provides real-

time information on battery level, input wattage, and output wattage for AC, DC, and USB ports.

4.1 Using Output Ports

- **AC Outlets:** Plug in devices requiring 110V AC power (up to 300W). Ensure AC output is activated.
- **USB-A Ports:** Connect USB-compatible devices for 5V/3.1A charging.
- **USB-C PD Port:** Use for faster charging of compatible devices (5V/3A, 9V/2A, 12V/1.5A).
- **DC 5521 Outputs:** Connect devices requiring 12V DC power.
- **12V 10A Car Port:** Suitable for car-powered devices.

Charge Your Various Devices

256Wh 300W Pure Sine Wave

				
Phone (10W)	Laptop (42W)	Drone (40W)	Camera (16W)	Mini Fridge (45W)
26 Times	7 Times	7 Times	16 Times	6+ Hrs



Figure 4.1: SinKeu Portable Power Station E300 charging various devices like a phone, laptop, drone, camera, and mini fridge during outdoor camping.



Figure 4.2: The SinKeu Portable Power Station E300 is suitable for various scenarios including outdoor camping, home working, powering medical devices, and providing emergency power.

4.2 Using the Built-in Light

- The built-in camping light can be activated by pressing the light button located on the back of the unit.
- Cycle through different modes: steady illumination, strobe, and SOS signal, by pressing the button repeatedly.

4.3 Video Demonstrations

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Video 4.3.1: An overview of the SinKeu Portable Power Station E300, demonstrating its features, charging capabilities, and the built-in flashlight function for various uses like home backup and outdoor activities.

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Video 4.3.2: A detailed demonstration of the SinKeu E150 power station (similar model), showcasing its various ports, LCD display, and how to operate different output functions.

5. CHARGING METHODS

The SinKeu E300 offers three convenient ways to recharge:

- **AC Wall Outlet:** Fully charges in approximately 3 hours using the included AC charger.
- **Solar Panel:** Fully charges in approximately 5 hours with a 60-100W solar panel (not included).
- **Car Outlet:** Fully charges in approximately 6 hours using a 12V car outlet and the included car charging cable.

Three Ways to Recharge

Charge Anytime Anywhere



Figure 5.1: The SinKeu Portable Power Station E300 can be recharged using an AC wall outlet, a car charger, or a solar panel.

6. MAINTENANCE

- If not used frequently, recharge the battery every 3 months to maintain its lifespan and performance.
- Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.
- Keep the unit clean and free from dust and debris.

7. TROUBLESHOOTING

- **AC Output Indicator:** If a red triangle indicator appears when activating AC output, it is normal and will disappear within 3-5 seconds.

- **Device Compatibility:** This 300W generator is designed for devices with power consumption lower than 300 Watt-hours. It may not be suitable for high-capacity products such as electric grills, induction cookers, microwaves, and large refrigerators.
- **Charging Issues:** If the unit is not charging, ensure all cables are securely connected and the power source is active. Refer to the charging times in Section 5.

8. SPECIFICATIONS

Feature	Specification
Brand	SinKeu
Model Name	E300 portable power station
Wattage	256 Watt-hours
Output Wattage	300W
Fuel Type	Electric
Power Source	Solar Powered, Battery Powered
Item Weight	6.5 Pounds
Voltage	110 Volts (AC)
Product Dimensions	7.48"L x 5.51"W x 9.05"H
Material	ABS
Total Power Outlets	8
Special Feature	Lightweight, Overload Protection, Portable, Short Circuit Protection, Super Quiet

9. WHAT'S IN THE BOX

Your SinKeu Portable Power Station E300 package includes:

- 1 × SinKeu 300W Power Station (E300)
- 1 × AC Charger
- 1 × Car Charging Cable
- 1 × User Manual

MULTIPLE LED LIGHT MODES BRIGHTEN YOUR JOURNEY



Figure 9.1: The complete package contents for the SinKeu Portable Power Station E300.

10. WARRANTY AND SUPPORT

If you have any questions or encounter any problems with your SinKeu 300W Power Station, please contact our customer service team. We are committed to providing excellent support and will respond to your inquiries within 24 hours. Our widespread sales and after-service networks ensure a worry-free experience.

For further assistance, please visit the SinKeu Store.