



Manuals.plus /

› SinKeu /

› SinKeu Portable Power Station E150 User Manual

SinKeu E150

SinKeu Portable Power Station E150 User Manual

Model: E150 | Brand: SinKeu

1. PRODUCT OVERVIEW

The SinKeu Portable Power Station E150 is a versatile and compact power solution designed for various applications, from outdoor adventures to emergency home backup. Featuring a durable LiFePO4 battery, it provides reliable power for a wide range of electronic devices and small appliances.



Figure 1: Front view of the SinKeu Portable Power Station E150, showing the main display, AC outlet, USB ports, and DC outputs.

2. KEY FEATURES

- **Powerful & Durable LiFePO4 Battery:** Built with a UL-certified LiFePO4 battery, offering 122.8Wh (38,400mAh, 3.2V) capacity and 3,500+ life cycles. This technology ensures enhanced safety, stability, and a longer lifespan compared to traditional lithium-ion batteries.
- **Versatile Power Outputs:** Provides 150W continuous AC output for laptops, tablets, phones, cameras, drones, lights, fans, mini-fridges (<100W), and CPAP machines. It also includes 1 x USB-C PD 18W (5V/3A 9V/2A), 2 x USB-A (5V/3.1A max in total), and 2 x DC ports (11~14.6V/10A max) for multi-device charging.

6 OUTLETS TO SPARE

Suitable for Most Electronics



Figure 2: The power station offers multiple output options, including AC, DC, USB-A, and USB-C, suitable for various electronic devices.

- **Multiple Recharging Methods:** Can be recharged via AC wall socket (approx. 4 hours with included adapter), 12V car port (approx. 5-6 hours with included cable), or a 13-23V solar panel (approx. 4-6 hours in full sun, solar panel NOT included).



Figure 3: Illustration of the three primary methods for recharging the power station: solar panel (not included), AC wall outlet, and 12V car outlet.

- **Portable & Rugged Design:** Weighs just 4 lbs with a compact size of 7.5"L x 4.5"W x 6.5"H, making it easy to carry for outdoor activities or emergency kits.

BRIGHT LIGHT FOR EMERGENCY

Light, Strob, SOS



Figure 4: The power station's dimensions and weight are shown, emphasizing its portability for various uses.

- **Emergency LED Light:** Features a built-in 3-mode LED flashlight (steady, strobe, and SOS) for illumination during power outages or outdoor activities.

SUPPORT PASS THROUGH CHARGING



Figure 5: The integrated LED light provides illumination for emergencies, with different modes for various situations.

- **Safe & Reliable:** Equipped with a Battery Management System (BMS) for multi-protection against overloading, overcharging, over-discharging, overheating, and short circuits. The digital display offers real-time power monitoring.

3. SETUP

3.1 Unboxing and Initial Inspection

Upon receiving your SinKeu Portable Power Station E150, carefully open the packaging and inspect the contents. Ensure all items listed in the 'What You Get' section are present and undamaged:

- 1x SinKeu 122.8Wh portable power station
- 1x AC adapter
- 1x car charging cable
- 1x cigarette lighter socket
- 1x user manual

3.2 Initial Charging

It is recommended to fully charge the power station before its first use. The unit supports three charging

methods:

1. **AC Wall Socket:** Connect the included AC adapter to the power station's input port and then to a standard wall outlet. A full charge takes approximately 4 hours.
2. **12V Car Port:** Use the included car charging cable to connect the power station to your vehicle's 12V cigarette lighter port. Charging time is approximately 5-6 hours.
3. **Solar Panel (Not Included):** Connect a compatible 13-23V solar panel to the power station's input port. Charging time in full sun is approximately 4-6 hours.

The power station features fast charging capabilities, allowing it to reach 80% capacity in less than an hour when using the AC wall adapter.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To turn on the power station, press and hold the 'POWER' button located on the front panel for a few seconds until the LCD display illuminates. To turn off, press and hold the 'POWER' button again.

4.2 Using Output Ports

Once powered on, you can connect your devices to the available output ports:

- **AC Outlet:** Press the 'AC' button to activate the AC output. Plug in your devices (up to 150W continuous power).
- **USB Ports (USB-A & USB-C):** These ports are active when the unit is powered on. Simply plug in your USB-compatible devices for charging.
- **DC Ports:** These ports are active when the unit is powered on. Connect your 12V DC devices.

The power station supports simultaneous charging of multiple devices across different ports, as long as the total power consumption does not exceed the unit's maximum output.

CHARGING SIMULTANEOUSLY

122.8Wh 150W Powerful Companion



Mini fridge(60W)

2+ hrs



Drone(1.2A)

3 times



Camera(0.14A)

20+ times



Lighting(5W)

20+ hrs



Figure 6: The power station can charge multiple devices concurrently, such as a mini-fridge, drone, camera, and lighting.

4.3 Emergency LED Light Operation

To activate the built-in LED flashlight, press the dedicated light button on the side of the unit. Pressing the button repeatedly will cycle through the three modes: steady illumination, strobe, and SOS signal. This feature is useful for dark environments or signaling for help.

4.4 Digital Display Monitoring

The LCD display provides real-time information on the power station's status, including battery level, and power consumption (watts) for AC, DC, and USB outputs. This allows you to monitor usage and remaining battery life effectively.

5. MAINTENANCE

5.1 Battery Care

To maximize the lifespan of your LiFePO4 battery:

- Recharge the unit at least once every 3-6 months, even if not in use, to maintain battery health.
- Avoid fully depleting the battery frequently.

- Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.

5.2 Cleaning

Use a soft, dry cloth to clean the exterior of the power station. Do not use abrasive cleaners or immerse the unit in water.

6. TROUBLESHOOTING

6.1 Unit Not Powering On

- Ensure the battery is charged. Connect to an AC wall outlet to charge.
- Press and hold the 'POWER' button for at least 3 seconds.

6.2 Devices Not Charging

- Check if the specific output (AC, USB, DC) is activated (e.g., press the 'AC' button for AC output).
- Verify that the device's power consumption does not exceed the power station's output limits (150W for AC).
- Ensure cables are securely connected.
- If an overload occurs, the BMS will automatically shut down the output. Disconnect the device, wait a few moments, and try again with a lower-power device.

6.3 Overheating

If the unit becomes excessively hot, it may trigger an overheating protection. Disconnect all devices and allow the power station to cool down in a well-ventilated area before resuming use.

7. SPECIFICATIONS

Specification	Detail
Model Name	E150
Battery Type	UL-certified LiFePO4 Battery
Capacity	122.8Wh (38,400mAh, 3.2V)
Life Cycles	3,500+
AC Output	150W continuous
USB-C Output	PD 18W (5V/3A, 9V/2A)
USB-A Output	2 x USB-A (5V/3.1A max in total)
DC Output	2 x DC ports (11~14.6V/10A max)
Recharge Time (AC)	Approx. 4 hours
Recharge Time (Car)	Approx. 5-6 hours
Recharge Time (Solar)	Approx. 4-6 hours (solar panel not included)
Item Weight	4 lbs
Product Dimensions	7.5"L x 4.5"W x 6.5"H

8. WARRANTY AND SUPPORT

Your SinKeu Portable Power Station E150 comes with a **12-month warranty**. For any questions, technical assistance, or customer service inquiries, please feel free to contact SinKeu's prompt and friendly customer service, available 7 days a week, 24 hours a day.

Contact information can typically be found on the product packaging or the official SinKeu website.