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SinKeu G300

SinKeu G300 Portable Power Station and 60W Solar Panel User Manual

Model: G300

1. Important Safety Instructions

Please read and understand all safety instructions before operating the SinKeu G300 Portable Power Station and 60W Solar Panel. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit or solar panel.
- Keep the unit away from fire, heat sources, and direct sunlight for prolonged periods.
- Avoid exposure to water or other liquids. Do not operate in rain or wet conditions.
- Do not use or store the unit in high temperatures or high humidity environments.
- Ensure proper ventilation during use and charging. Do not block ventilation openings.
- Keep out of reach of children and pets.
- Use only original or certified accessories and charging cables.
- If the unit emits smoke, unusual odors, or makes abnormal noises, discontinue use immediately and contact customer service.
- Do not connect devices that exceed the power station's rated output (300W).

Note: The SinKeu G300 features a built-in Battery Management System (BMS) for protection against over-temperature, over-voltage, over-current, short circuit, and overcharging. This system helps ensure the safety and longevity of the device and connected electronics.

2. Product Overview

The SinKeu G300 Portable Power Station is a versatile power solution designed for outdoor activities, emergency backup, and general portable power needs. It features a 260Wh (70000mAh) lithium battery pack and provides multiple output options, including AC, USB, DC, and wireless charging. The included 60W solar panel allows for convenient recharging using solar energy.



Image 2.1: SinKeu G300 Portable Power Station, 60W Solar Panel, and various charging cables.

2.1 Key Features

- **High Capacity:** 260Wh / 70000mAh Lithium Battery.
- **Multiple Outputs:** 2x 110V AC outlets (300W total), 2x USB-A ports, 1x USB-C port, 2x DC ports, 1x Car port, 1x 10W Wireless Charging pad.
- **Pure Sine Wave AC Output:** Provides stable and clean power, suitable for sensitive electronics.
- **Advanced Safety:** Integrated Battery Management System (BMS) for comprehensive protection.
- **Versatile Recharging:** Can be recharged via wall AC outlet, solar panel, car cigarette lighter, or gas generator.
- **Portable Design:** Compact and lightweight for easy transport.

2.2 Package Contents

- 1x SinKeu G300 Portable Power Station (260Wh)
- 1x 60W Foldable Solar Panel
- 1x AC Power Adapter
- 1x Car Charging Cable

- 1x User Manual (this document)



Image 2.2: Front panel of the SinKeu G300, showing all output ports and the wireless charging area.

3. Setup and Initial Charging

3.1 Unpacking and Inspection

Carefully remove all components from the packaging. Inspect the power station and solar panel for any signs of damage. If any damage is found, do not use the product and contact customer service.

3.2 Initial Charging

It is recommended to fully charge the power station before first use. The G300 can be charged using several methods:

- **AC Wall Outlet:** Connect the provided AC power adapter to the 'Input' port on the power station and then to a standard wall outlet. Charging time is approximately 7 hours.

- **Car Charger:** Use the provided car charging cable to connect the power station to your vehicle's 12V cigarette lighter port. Charging time is approximately 8 hours.
- **Solar Panel:** Connect the 60W solar panel to the 'Input' port. Ensure the solar panel is placed in direct sunlight for optimal charging. Charging time is approximately 5 hours in full sun.
- **Gas Generator:** The unit can also be charged via a compatible gas generator. Charging time is approximately 9 hours.



Image 3.1: Various charging methods for the SinKeu G300 Portable Power Station.

3.3 Connecting the Solar Panel

To charge using the 60W solar panel:

1. Unfold the solar panel and position it in direct sunlight, angled towards the sun for maximum efficiency.
2. Connect the solar panel's output cable to the 'Input' port on the SinKeu G300. The power station will automatically begin charging.
3. The display on the power station will indicate the charging status and input wattage.



Image 3.2: SinKeu G300 being charged by the solar panel in an outdoor setting.

4. Operating Instructions

4.1 Powering On/Off

- To turn on the power station, press and hold the main power button for a few seconds until the display illuminates.
- To turn off the power station, press and hold the main power button again until the display turns off.

4.2 Using Output Ports

The SinKeu G300 offers various output ports to power different devices:

- **AC Outlets (110V/300W Max):** Press the AC power button to activate the AC outlets. Plug in your devices (e.g., laptops, small appliances) that require 110V AC power. Ensure the total wattage does not exceed 300W.
- **USB-A Ports (5V/2.4A):** These ports are suitable for charging smartphones, tablets, and other USB-powered devices.
- **USB-C Port (5V/3A, 9V/2A, 12V/1.5A):** This port supports faster charging for compatible USB-C devices.
- **DC Ports (12V/8A Max):** Use these ports for devices that require 12V DC power, such as portable refrigerators or LED lights.
- **Car Port (12V/8A):** Similar to the DC ports, this is ideal for car-powered devices.
- **Wireless Charging (10W):** Place your Qi-compatible smartphone or device on the wireless charging pad on top of the unit.



Image 4.1: Examples of devices and their estimated charge capacities with the SinKeu G300.

4.3 Understanding the Display

The LCD display provides real-time information about the power station's status:

- **Battery Level Indicator:** Shows the remaining battery capacity.
- **Input Wattage:** Displays the power being drawn into the unit during charging.
- **Output Wattage:** Shows the power being consumed by connected devices.
- **Port Indicators:** Icons or text indicating which output ports (AC, DC, USB) are active.

4.4 Power Limitations

The SinKeu G300 has a maximum output of 300W. Do not attempt to power devices that exceed this wattage. Overloading the unit will trigger its safety protection features and shut down the output.



Image 4.2: Examples of high-wattage appliances not supported by the SinKeu G300.

5. Maintenance

5.1 General Care

- Clean the exterior of the power station and solar panel with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Keep the ventilation openings clear of dust and debris to ensure proper airflow.
- Avoid dropping or subjecting the unit to strong impacts.

5.2 Storage

- Store the power station in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, it is recommended to charge the unit to approximately 50-80% every 3-6 months to preserve battery health.
- Ensure the unit is turned off before storing.

6. Troubleshooting

If you encounter issues with your SinKeu G300, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Power station does not turn on.	Battery is completely depleted.	Connect to an AC wall outlet or car charger for initial charge.
AC/DC/USB output not working.	Output port not activated. Device exceeds wattage limit. Overload protection triggered.	Ensure the specific output button (AC, DC) is pressed. Check device wattage. Disconnect device, restart power station.

Problem	Possible Cause	Solution
Solar panel not charging.	Insufficient sunlight. Panel not connected correctly. Damaged panel/cable.	Reposition panel in direct sunlight. Check cable connections. Test with another charging method.
Unit automatically turns off.	Low power consumption (some units have an auto-off feature for low loads). Battery depleted.	Ensure connected devices draw sufficient power. Recharge the unit.
Overheating.	Blocked ventilation. Excessive load.	Ensure clear airflow around the unit. Reduce connected load. Allow unit to cool down.

If the problem persists after attempting these solutions, please contact SinKeu customer service for further assistance.

7. Specifications

Detailed technical specifications for the SinKeu G300 Portable Power Station and 60W Solar Panel:

Feature	Specification
Model Name	G300
Battery Capacity	260Wh / 70000mAh
AC Output	2x 110V, 300W (Pure Sine Wave)
DC Output	2x 12V/8A Max
Car Port Output	1x 12V/8A
USB-A Output	2x 5V/2.4A (3.1A Total)
USB-C Output	1x 5V/3A, 9V/2A, 12V/1.5A
Wireless Charging	1x 10W
Input (Charging)	DC 12-25V (AC adapter, Car charger, Solar panel)
Solar Panel Wattage	60W
Operating Temperature	0°C to 40°C (32°F to 104°F)
Dimensions (Power Station)	Refer to product packaging or official website
Weight (Power Station)	Refer to product packaging or official website
Solar Panel Weight	3.88 lbs / 1.76 kg
Solar Panel Folded Dimensions	Approx. 14.6 in x 9.8 in x 2.0 in
Solar Panel Unfolded Dimensions	Approx. 39.4 in x 14.6 in

8. Warranty and Customer Support

SinKeu provides a **12-month warranty** for the G300 Portable Power Station and 60W Solar Panel, covering manufacturing defects from the date of purchase.

For any questions, technical support, or warranty claims, please contact SinKeu customer service. Our team is available 7 days a week, 24 hours a day, to provide prompt and friendly assistance.

- **Customer Service Email:** Refer to your product packaging or the official SinKeu website.
- **Online Support:** Visit the SinKeu official website for FAQs and support resources.

Please have your purchase receipt and product model number (G300) ready when contacting support.

9. Video Resources

While specific video URLs were not provided in the product data, SinKeu may offer official instructional videos. Please check the official SinKeu website or their brand store on Amazon for any available video guides related to the G300 Portable Power Station and 60W Solar Panel.

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