

SinKeu G600

SinKeu G600 Portable Power Station and 100W Solar Panel User Manual

Model: G600

1. INTRODUCTION

Thank you for choosing the SinKeu G600 Portable Power Station and 100W Foldable Solar Panel. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new power solution. Please read this manual thoroughly before use and retain it for future reference.

The SinKeu G600 is a versatile portable power station designed to provide reliable power for various devices, featuring a 296Wh lithium battery pack and a 600W AC output (750W peak). Paired with the 100W monocrystalline solar panel, it offers an eco-friendly recharging option for outdoor and emergency use.

2. SAFETY INSTRUCTIONS

To ensure safe operation and prolong the lifespan of your device, please adhere to the following safety guidelines:

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or injury.
- Do not expose the unit to fire or extreme temperatures (above 60°C/140°F).
- Do not use or store the unit in a bathroom or in areas exposed to water or rain.
- Do not use or store the unit near heat sources, such as fires or heaters.
- Use only the provided or approved accessories.
- Keep the unit away from children and pets.
- Avoid dropping, heavy impacts, or strong vibrations.
- Do not insert foreign objects into the ports.
- Ensure proper ventilation during use and charging.
- If the unit emits unusual odors, heat, or appears abnormal, discontinue use immediately and contact customer service.

3. WHAT'S INCLUDED

The package includes the following items:

- 1x SinKeu G600 Portable Power Station

- 1x 100W Foldable Solar Panel
- 1x AC Power Adapter
- 1x Car Charging Cable
- 1x User Manual (this document)

4. PRODUCT OVERVIEW

4.1 SinKeu G600 Power Station

The SinKeu G600 features multiple output ports to power a variety of devices simultaneously. The integrated display shows real-time power input and output.



Image: SinKeu G600 Power Station connected to various electronic devices, illustrating its multi-device charging capability.

Output Ports:

- 2x Pure Sine Wave AC Outlets (110V/600W MAX)
- 2x Regulated DC Ports (12V/8A MAX)
- 2x USB-C Ports (5V/3A, 9V/2A, 12V/1.5A)

- 1x QC3.0 USB Port (18W)
- 1x Standard USB Port (5V/2.4A)
- 1x Car Outlet (12V/8A MAX)

MULTIPLE OUTPUTS AND QUICK CHARGE



Image: Close-up view of the SinKeu G600's control panel, highlighting all input and output ports with their specifications.

Integrated LED Light:

The power station includes a super bright LED light with adjustable brightness levels (30%, 60%, Full Brightness) for illumination in low-light conditions.

SUPER BRIGHT LED LIGHT LIT UP YOUR OUTDOOR NIGHT



Image: The SinKeu G600's LED light illuminating a tent, demonstrating its utility in outdoor settings with adjustable brightness.

4.2 100W Foldable Solar Panel

The 100W foldable solar panel features high-purity monocrystalline silicon, offering a 22% high conversion efficiency. It is designed for portability and includes two kickstands for optimal sun exposure.

SOLAR PANEL 100W 18V 5.5A(MAX)



100W
High Power



Wide
Compatibility



Dustproof



22% High
Conversion
Efficiency



Highpurity
Monocrystalline
Silicon



Magnetic
Folding



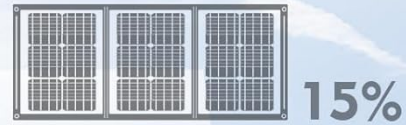
Image: The SinKeu G600 Power Station and its accompanying 100W foldable solar panel deployed outdoors next to an RV, showcasing its portable design.

22% HIGH SOLAR CONVERSION EFFICIENCY

High-purity Monocrystalline Silicon



SinKeu Solar Panel



Other Solar Panel

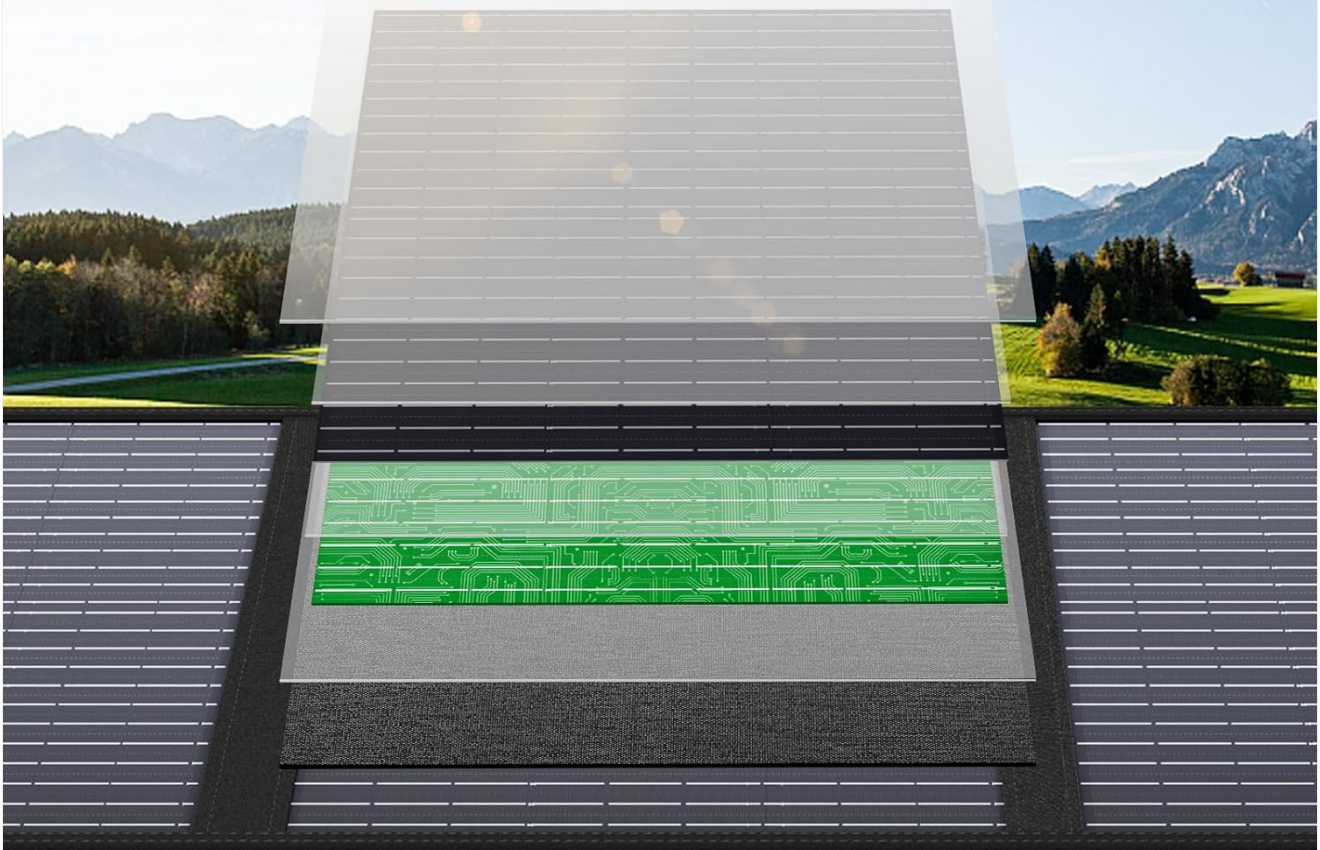


Image: An illustration demonstrating the 22% high solar conversion efficiency of the SinKeu solar panel compared to a standard 15% panel.

5. SETUP

5.1 Initial Charging of the Power Station

Before first use, it is recommended to fully charge the SinKeu G600 Power Station. This can be done via the included AC adapter or car charging cable.

- **AC Wall Outlet:** Connect the AC power adapter to the input port on the power station and then to a standard wall outlet. Charging time is approximately 3.5 hours.
- **Car Charger:** Connect the car charging cable to the input port on the power station and then to your vehicle's 12V car outlet. Charging time is approximately 6-8 hours.

5.2 Setting Up the Solar Panel

To charge the power station using the solar panel:

1. Unfold the 100W solar panel and deploy its two kickstands.

2. Position the solar panel in direct sunlight, adjusting the kickstands to achieve an optimal 45° angle towards the sun for maximum efficiency.
3. Connect the solar panel to the input port of the SinKeu G600 Power Station using the appropriate cable. Charging time is approximately 6 hours in full sun.

4 WAYS TO RECHARGE



The infographic features a central image of the SinKeu G600 Power Station, a black and orange portable power bank. The device's control panel includes a digital display showing power levels for AC (600W), DC (68W), USB (125W), and IN (0.0W). Below the display are various ports: two 12V 8A DC ports, two USB ports (one QC 3.0 and one USB-C), and two AC wall outlets. To the right of the power station, four recharging methods are listed with corresponding icons and estimated charging times:

- 13-25V Solar Panel (100W)**: About 6 hrs in full sun. Icon: Solar panel.
- Car Outlet**: About 6~8 hrs. Icon: Car cigarette lighter.
- Wall Socket**: About 3.5 hrs. Icon: AC wall plug.
- Gas Generator**: About 5 hrs. Icon: Gas generator.

Image: An infographic detailing the four primary methods for recharging the SinKeu G600 Power Station, including solar, car, and AC wall charging.



Image: A close-up view of the solar panel's adjustable kickstands, designed to optimize the panel's angle towards the sun for better charging efficiency.

6. OPERATING THE POWER STATION

6.1 Powering On/Off

Press and hold the main power button for a few seconds to turn the unit on or off. The display will illuminate when the unit is on.

6.2 Using AC Outlets

To use the AC outlets, press the AC power button. The AC indicator on the display will light up. Plug your AC devices into the outlets. Ensure the total wattage of your devices does not exceed 600W (750W peak). Press the AC power button again to turn off the AC output when not in use.

6.3 Using DC and USB Ports

The DC and USB ports are typically active once the main power is on. Simply plug your devices into the corresponding ports (DC, USB-C, QC3.0, USB, Car Outlet). The power station can charge up to 9 devices simultaneously.



Image: The solar panel actively charging the power station, which in turn is charging multiple smartphones and other devices, demonstrating simultaneous charging capabilities.

6.4 Using the LED Light

Press the LED light button to turn it on. Subsequent presses will cycle through 30% brightness, 60% brightness, full brightness, and off.

7. MAINTENANCE

7.1 Storage

- Store the power station and solar panel in a cool, dry place, away from direct sunlight and moisture.
- For long-term storage, charge the power station to 50-80% every 3-6 months to maintain battery health.
- Keep the unit away from corrosive materials.

7.2 Cleaning

Wipe the exterior of the power station and solar panel with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure all ports are free of dust and debris.

7.3 Battery Care

The SinKeu G600 uses a high-quality lithium battery. To maximize its lifespan:

- Avoid fully discharging the battery frequently.
- Avoid prolonged exposure to extreme temperatures.
- Charge the unit regularly, even if not in active use.

8. TROUBLESHOOTING

If you encounter issues with your SinKeu G600, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Power station does not turn on.	Battery is completely discharged.	Connect to AC adapter or car charger and allow it to charge for at least 30 minutes before attempting to power on.
AC output not working.	AC output not activated; device wattage exceeds limit.	Press the AC power button to activate. Check if the connected device's wattage is within the 600W limit.
Solar panel not charging.	Insufficient sunlight; incorrect connection; panel not angled correctly.	Ensure direct sunlight. Verify cable connections. Adjust panel angle for optimal sun exposure (45°). Clean panel surface.
USB/DC ports not providing power.	Main power not on; device not compatible.	Ensure the main power station is turned on. Check device compatibility and cable.

If the problem persists after trying these steps, please contact SinKeu customer service for assistance.

9. SPECIFICATIONS

Feature	Specification
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Feature	Specification
Model Name	SinKeu G600
Battery Capacity	296Wh
AC Output	600W (750W Peak)
Total Power Outlets	9
Solar Panel Wattage	100W
Solar Panel Efficiency	22% (Monocrystalline Silicon)
Recharge Methods	AC Adapter, Car Charger, Solar Panel
Included Components	G600 Power Station, 100W Foldable Solar Panel, AC adapter, Car charging cable, User Manual
Weight (Power Station)	Approximately 12.66 lb
Weight (Solar Panel)	Approximately 8.8 lb
Material	Lithium, Silicon, Metal (Aluminum/Steel), Plastic/Rubber, Copper

10. WARRANTY AND SUPPORT

SinKeu offers a **12-month warranty** for the G600 Portable Power Station and 100W Solar Panel from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use.

For any questions, technical support, or warranty claims, please contact our customer service team. We provide **7*24 hours prompt and friendly customer service** to assist you with any issues that may arise.

Please retain your proof of purchase for warranty validation.