Apowking SOLAR GENERATOR WITH PANELS INCLUDED

Apowking Portable Solar Generator Power Station

Model: SOLAR GENERATOR WITH PANELS INCLUDED

1. Product Overview

The Apowking Portable Solar Generator Power Station is a versatile and compact power solution, ideal for various applications from outdoor adventures to emergency home backup. This unit combines a powerful 220Wh/60000mAh lithium-ion battery with a 40W solar panel, providing reliable and clean energy wherever you need it.

What's Included:

- Apowking 300W Rated Solar Generator Power Station with 40W Solar Panels (1 unit)
- AC Power Adapter (1 unit)
- Car Charging Cable (1 unit)
- Carport Cable (for output only) (1 unit)
- User Manuals (2 units: 1 for power station, 1 for solar panel)



Figure 1.1: The Apowking Portable Solar Generator Power Station with its accompanying 40W foldable solar panel.

2. Safety Information

Read all safety warnings and instructions before operating this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

General Safety Guidelines:

- Do not expose the unit to rain or wet conditions.
- Do not use the unit near open flames or in explosive atmospheres.
- Ensure proper ventilation during use to prevent overheating.
- Keep out of reach of children.
- Do not disassemble, repair, or modify the unit. Contact customer support for service.
- Use only specified accessories and charging methods.

Advanced Battery Management System (BMS):

This power station is equipped with an advanced BMS that provides multiple layers of protection, including:

- Voltage control
- Optimal temperature regulation
- Over-current protection
- Short-circuit protection
- Overpower protection
- Pure Sine Wave AC inverter for sensitive devices



Figure 2.1: Internal structure highlighting the advanced lithium-ion battery and integrated safety protections.

3. Setup

Before first use, fully charge the power station using one of the available methods.

Charging the Power Station:

The Apowking power station offers three convenient charging methods:

1. **AC Wall Outlet:** Connect the included AC power adapter to the DC input port on the power station and plug it into a standard 110V AC wall outlet. A full charge typically takes 6-7 hours.
2. **Solar Panel:** Connect the included 40W solar panel to the DC input port. Place the solar panel in direct sunlight for optimal charging. The 24% high conversion efficiency monocrystalline solar cells ensure effective charging even in less ideal light conditions.
3. **Car Charger:** Use the included car charging cable to connect the power station to your vehicle's 12V cigarette lighter outlet. This method is ideal for charging while on the go.



Figure 3.1: Overview of the three charging methods for the power station.

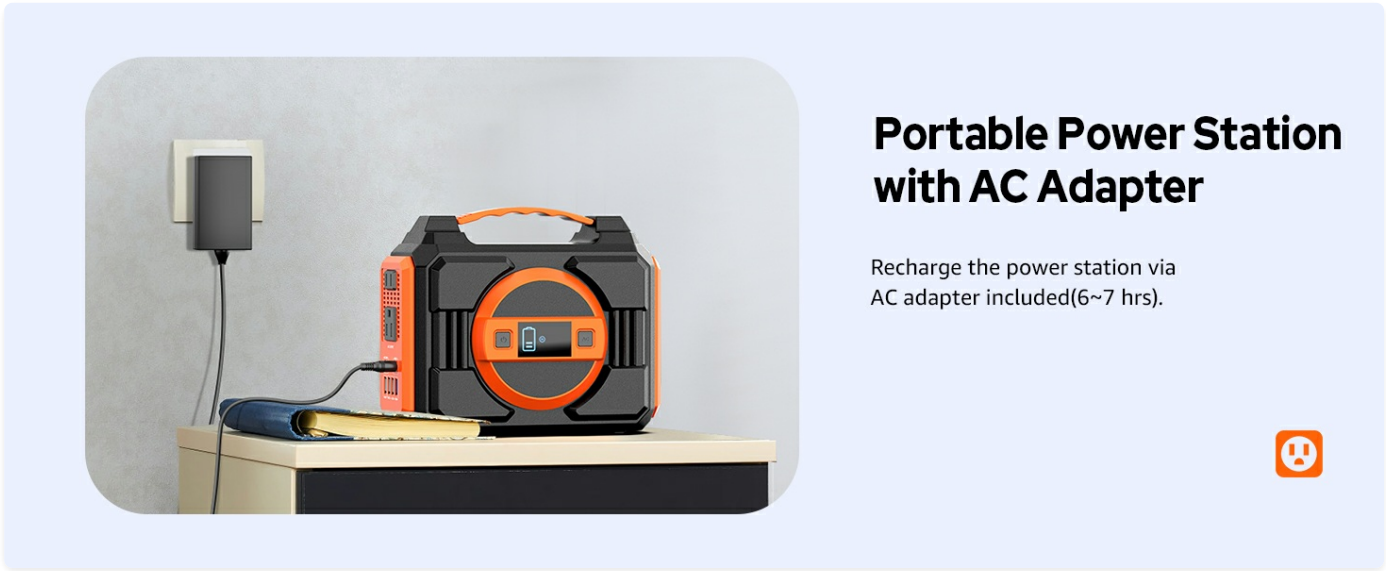


Figure 3.2: Charging the power station using the AC wall adapter.

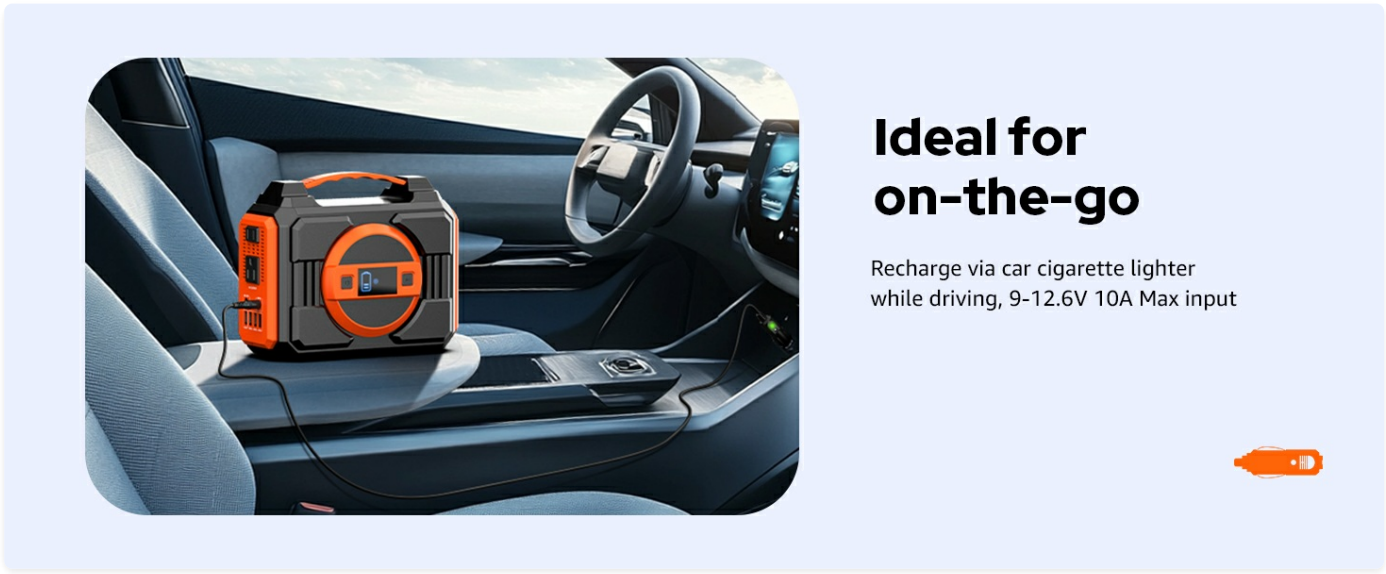


Figure 3.3: Convenient car charging for on-the-go power.

4. Operating Instructions

The Apowking power station is designed for ease of use, providing power to up to 7 devices simultaneously.

Output Ports:

The unit features a variety of output ports to accommodate different devices:

- **2 x 110V AC Outlets:** Pure Sine Wave output, suitable for appliances up to 300W (600W peak).
- **3 x USB-A Ports:** 5V/3.1A Max output for charging smartphones, tablets, and other USB-powered devices.
- **1 x USB-C Port:** 5V/3A, 9V/2A output for faster charging of compatible devices.
- **1 x DC Vehicle Output Port:** 9-12.6V, 10A max, suitable for car appliances.



Figure 4.1: The power station can charge multiple devices at once, including phones, laptops, and power small appliances.



Figure 4.2: Multiple output options for wide device compatibility.

Using the LED Light:

The power station features a large, bright LED light on the back, providing illumination for various situations, from camping to power outages. Refer to the user manual for specific instructions on activating and cycling through light modes.



Figure 4.3: The integrated super bright LED light for enhanced visibility.



Figure 4.4: The emergency light feature can help in unexpected situations.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Apowking power station.

Storage:

- Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- Recommended charging and operating temperature range is 0-40°C (32-104°F).
- For long-term storage, charge the unit to approximately 50-80% every 3-6 months to preserve battery health.

Cleaning:

- Wipe the exterior with a soft, dry cloth.
- Do not use abrasive cleaners or solvents.
- Ensure ventilation ports are clear of dust and debris.

Figure 5.1: The power station is designed for wide adaptability across various temperatures.

6. Troubleshooting

If you encounter issues with your Apowking power station, refer to the common problems and solutions below. If the problem persists, contact customer support.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Unit does not turn on	Battery is fully discharged	Charge the unit using AC adapter, solar panel, or car charger.
No output from ports	Output port not activated or device exceeds power limit	Ensure the specific output (AC/DC/USB) is turned on. Check device wattage against unit's rated output (300W AC).
Solar panel not charging	Insufficient sunlight, panel not connected properly, or panel is dirty	Ensure panel is in direct sunlight, check connections, clean panel surface.
Unit overheats	Poor ventilation or excessive load	Ensure vents are clear. Reduce connected load. Allow unit to cool down.

7. Specifications

Feature	Detail
Model Number	SOLAR GENERATOR WITH PANELS INCLUDED
Battery Capacity	220Wh / 60000mAh
AC Output	2 x 110V Pure Sine Wave, 300W Rated (600W Peak)
USB Output	3 x USB-A (5V/3.1A Max), 1 x USB (5V/3A, 9V/2A)
DC Output	1 x DC Vehicle Output (9-12.6V, 10A Max)
Solar Panel	40W Monocrystalline, 24% Conversion Efficiency
Charging Time (AC)	Approx. 6-7 hours
Item Weight	8.42 pounds
Product Dimensions	8.5 x 6.7 x 4.1 inches
Color	Orange
Special Features	Automatic Shut Down, Automatic Voltage Regulation, Digital Display, Extra-Long Run Time, Heavy Duty, Portable, Built-in LED Light

8. Warranty and Support

Apowking is committed to providing high-quality products and excellent customer service.

Warranty Information:

This Apowking solar generator power station with solar panels included is covered by a**12-month customer support warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

Customer Support:

If you have any questions, concerns, or require technical assistance, please do not hesitate to contact our customer service team. We offer 7*24 hours customer support and lifetime technical support.
For contact information, please refer to the contact details provided in your product packaging or visit the official Apowking website.



Figure 8.1: Our dedicated customer support team is ready to assist you.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question