

ZeroKor ce22df51-f6ca-4604-9ace-724cb9e36874

ZeroKor Solar Generator with Panel

300W Portable Power Station with 40W Solar Panel

Model: ce22df51-f6ca-4604-9ace-724cb9e36874

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your ZeroKor Solar Generator system. This system combines a 300W portable power station with a 40W foldable solar panel, designed to provide reliable power for various applications, including home use, outdoor activities, RV life, and emergency situations.

2. SAFETY INSTRUCTIONS

Please read and understand all safety warnings and instructions before using this product. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Do not expose the unit to fire or extreme temperatures.
- Do not use or store the unit in high temperature environments, such as direct sunlight or inside a vehicle in hot weather.
- Do not use or store the unit in wet environments or near water.
- Keep the unit clean and dry. Wipe with a dry cloth only.
- Ensure proper ventilation during use to prevent overheating. Do not block ventilation openings.
- Keep out of reach of children and pets.
- Avoid dropping or subjecting the unit to strong impacts.
- Do not use the power station to power appliances exceeding 300W. This can damage the unit. Examples of restricted devices include coffee makers, induction cookers, microwave ovens, electric kettles, electric grills, hair dryers, water pumps, and industrial fans.
- When charging with the solar panel, ensure the panel is placed in direct sunlight and is not shaded.

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- ZeroKor 300W Portable Power Station
- ZeroKor 40W Foldable Solar Panel
- AC Wall Adapter (Charging Cable)
- Car Charging Cable
- User Manual

4. PRODUCT OVERVIEW

The ZeroKor Solar Generator system provides versatile power solutions. Below are key components and features of the power station and solar panel.



Figure 4.1: The ZeroKor 300W Portable Power Station and 40W Foldable Solar Panel, ready for use.



Figure 4.2: The portable power station can be charged via AC wall adapter (included), car charging cable (included), or a solar panel (included in this bundle). The image shows the power station connected to a portable refrigerator, demonstrating its

versatility for outdoor use.

22% CONVERSION EFFICIENCY

Mono Crystalline SOLAR PANEL Conversion Rate: 22%

Traditional SOLAR PANEL conversion rate: 15%

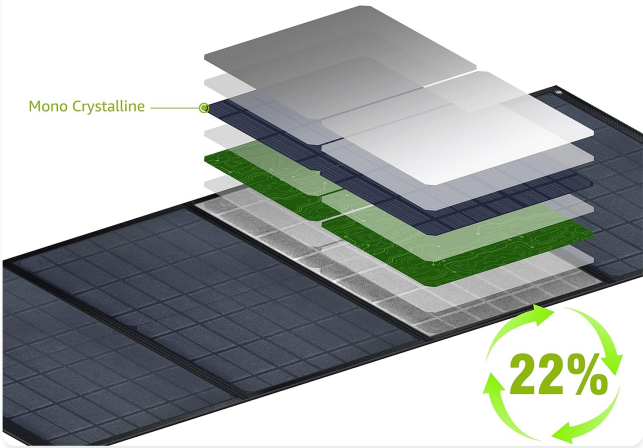


Figure 4.3: The 40W solar panel features a 22% monocrystalline solar panel conversion rate, offering efficient solar energy capture compared to traditional panels.

LIGHTWEIGHT & COMPACT
40W SOLAR PANEL BAG

- Foldable
- Compact design
- Light weight

Weight 4.2 lb/1.9 kg



Figure 4.4: The 40W solar panel is designed to be lightweight (4.2 lbs / 1.9 kg) and compact, folding into a bag for easy portability. Dimensions are 13.6 inches by 9.8 inches when folded, and 41.2 inches by 13.6 inches when unfolded.

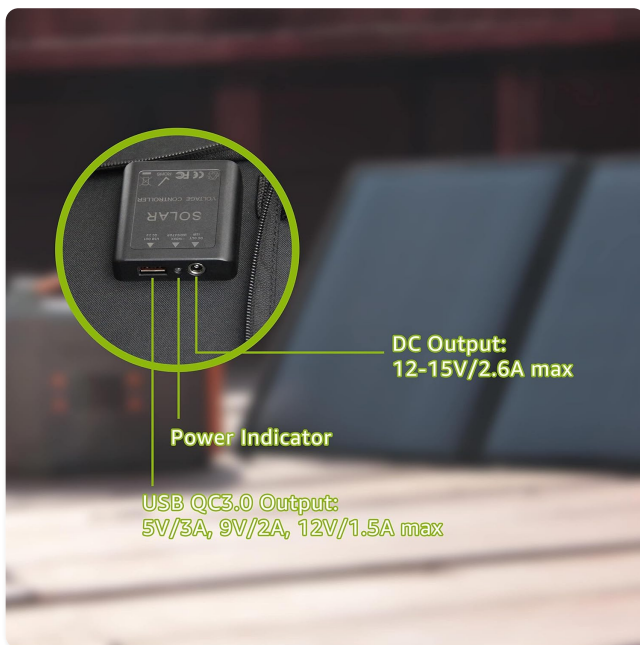


Figure 4.5: The solar panel features a DC Output (12-15V/2.6A max) for charging the power station and a USB QC3.0 Output (5V/3A, 9V/2A, 12V/1.5A max) for direct charging of small devices.

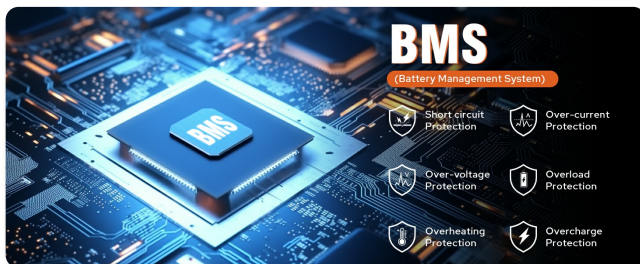


Figure 4.6: The power station is equipped with a Battery Management System (BMS) providing multiple protections including short circuit, over-current, over-voltage, overload, overheating, and overcharge protection.

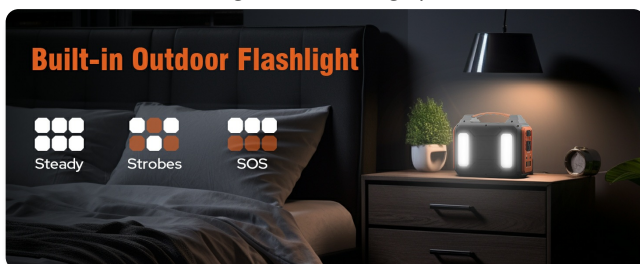


Figure 4.7: The power station includes a built-in LED flashlight with multiple modes: Steady for continuous illumination, Strobe for signaling, and SOS for emergency situations.



Figure 4.8: Visual guide indicating appliances that exceed the 300W power limit of the power station, such as coffee makers, induction cookers, microwave ovens, electric kettles, electric grills, hair dryers, water pumps, and industrial fans.

5. SETUP

Before first use, it is recommended to fully charge your ZeroKor Portable Power Station.

5.1 Initial Charging

1. Connect the AC wall adapter to the DC input port on the power station.
2. Plug the AC wall adapter into a standard wall outlet.
3. The battery indicator on the display will show charging progress. The unit is fully charged when the battery icon is full.

5.2 Solar Panel Setup

1. Unfold the 40W solar panel and place it in direct sunlight.
2. Adjust the angle of the solar panel using its kickstand to maximize sun exposure.
3. Connect the DC output cable from the solar panel to the DC input port on the power station.
4. The power station display will indicate that it is receiving a charge from the solar panel.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

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

6.2 Using AC Outlets

The power station has 2 x 110V/300W MAX AC Outlets.

1. Press the AC button to activate the AC output. The AC indicator on the display will light up.
2. Plug your appliance (within 300W) into the AC outlet.
3. After use, press the AC button again to turn off the AC output and conserve battery.

6.3 Using DC & USB Outputs

The power station includes 1 x DC (9V~12.6V/10A MAX), 3 x 5V/3A MAX USB ports, and 1 x QC USB port (5V/3A 9V/2A Max).

1. Press the DC button to activate the DC output. The DC indicator on the display will light up.
2. Plug your devices into the appropriate DC or USB ports.
3. After use, press the DC button again to turn off the DC output and conserve battery.

6.4 LED Flashlight

The power station features a built-in LED flashlight.

- Press the flashlight button once for steady light.
- Press again for strobe mode.
- Press a third time for SOS mode.

- Press a fourth time to turn off the flashlight.

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Video 6.1: This video demonstrates the ZeroKor solar power station in various use cases, including powering devices for RV and home use. It highlights the portability and convenience of the system for off-grid power needs.

7. CHARGING THE POWER STATION

Your ZeroKor Portable Power Station can be charged using multiple methods:

7.1 AC Wall Charging

Use the included AC wall adapter. A full charge typically takes approximately 7 hours.

7.2 Car Charging

Use the included car charging cable to charge the power station from your vehicle's 12V cigarette lighter port.

7.3 Solar Charging

Connect the 40W solar panel to the DC input port of the power station. Charging time will vary depending on sunlight intensity and angle. For optimal charging, ensure the solar panel is positioned directly towards the sun and is free from shadows.

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your ZeroKor Solar Generator system.

- **Cleaning:** Use a soft, dry cloth to clean the power station and solar panel. Do not use abrasive cleaners or solvents.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, charge the unit to 50-80% every 3-6 months to maintain battery health.
- **Battery Care:** Avoid fully discharging the battery frequently. Recharge the unit as soon as possible after use.
- **Solar Panel:** Keep the solar panel surface clean from dust, dirt, and debris to ensure maximum charging efficiency.

9. TROUBLESHOOTING

If you encounter issues with your ZeroKor Solar Generator, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Power station not turning on.	Battery is completely drained.	Connect to AC wall charger and allow it to charge for at least 30 minutes before attempting to power on.

Problem	Possible Cause	Solution
AC output not working.	AC output not activated; appliance exceeds 300W; power station overheated.	Press the AC button to activate. Check appliance wattage. Allow unit to cool down in a well-ventilated area.
Solar panel not charging power station.	Insufficient sunlight; panel not properly connected; panel dirty.	Ensure direct sunlight and proper angle. Check all cable connections. Clean the solar panel surface.
USB ports not charging devices.	DC output not activated; device cable faulty.	Press the DC button to activate. Try a different USB cable.

If the problem persists after trying these solutions, please contact ZeroKor customer support.

10. SPECIFICATIONS

Feature	Specification
Brand	ZeroKor
Model Number	ce22df51-f6ca-4604-9ace-724cb9e36874
Power Station Wattage (Rated)	300 Watts
Power Station Voltage (DC)	15 Volts
Solar Panel Wattage	40 Watts
Power Source	Solar Powered
Item Weight	5 Pounds (Power Station)
Runtime	7 hours (approximate, depending on load)
Total Power Outlets	7 (2x AC, 1x DC, 4x USB)
Special Features	Portable, USB Port, Built-in BMS, LED Flashlight
Included Components	Charging Cable (AC Adapter), Car Charging Cable
Color	Orange

11. WARRANTY AND SUPPORT

ZeroKor products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official ZeroKor website. If you require technical assistance, troubleshooting beyond this manual, or have questions about your product, please contact ZeroKor customer support through their official channels.

