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› KORKIE 1000W Pure Sine Wave Inverter User Manual

## KORKIE KORKIE-1000W

# KORKIE 1000W Pure Sine Wave Inverter User Manual

Model: KORKIE-1000W

## INTRODUCTION

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This manual provides essential information for the safe and efficient operation of your KORKIE 1000W Pure Sine Wave Inverter. Please read these instructions carefully before use and retain them for future reference. This inverter converts 12V DC power from a battery into 110V AC power, suitable for various electronic devices and appliances.



Image: The KORKIE 1000W Pure Sine Wave Inverter shown with included battery clamps and cigarette lighter adapter, along with spare fuses.

## SAFETY INSTRUCTIONS

**WARNING: Failure to follow these safety instructions may result in injury, damage to the inverter, or damage to connected devices.**

- Ensure the inverter is connected to a 12V DC power source only. Do not connect to 24V or other voltage systems.
- Do not connect the inverter to an AC distribution wiring system.
- Avoid reverse polarity connection. Connect the positive (+) terminal of the inverter to the positive (+) terminal of the battery, and the negative (-) terminal of the inverter to the negative (-) terminal of the battery.
- Do not expose the inverter to rain, moisture, or extreme temperatures.
- Ensure adequate ventilation around the inverter. Do not block cooling vents.
- Do not open the inverter casing. There are no user-serviceable parts inside.
- Keep children away from the inverter and connected devices.
- Always disconnect the inverter from the power source before performing any maintenance or cleaning.





vehicle wiring limitations. For full 1000W output, direct battery connection is required.



Image: A close-up view of the DC output port on the inverter, designed for the cigarette lighter adapter.

## OPERATING INSTRUCTIONS

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Once the inverter is properly connected to a 12V DC power source:

1. **Power On:** Flip the power switch on the inverter to the "ON" position. The LED display will illuminate, showing the input DC voltage.
2. **Connect AC Devices:** Plug your 110V AC appliances into the three AC outlets. Ensure the total wattage of all connected AC devices does not exceed 1000W.

# Great Power, Fast Charging

## USB + QC 3.0 + PA Output

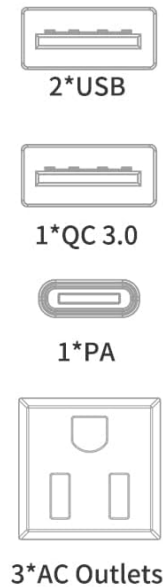


Image: The KORKIE inverter connected to a laptop, drone, and other devices, demonstrating its multi-port charging capabilities.

3. **Use USB/Type-C Ports:** Connect your USB-powered devices (phones, tablets, drones, etc.) to the PD Type-C, QC 3.0 USB, or standard 2.4A USB ports.



Images: A laptop and a drone being charged using the inverter's USB ports, highlighting its quick charge capabilities for various devices.

4. **Monitoring:** The LED display shows the current DC input voltage. Monitor this to ensure your battery does not discharge too deeply.
5. **Pure Sine Wave Output:** This inverter provides a pure sine wave output, which is identical to household AC power. This makes it suitable for sensitive electronics like laptops, medical equipment, and audio systems,

preventing potential damage or malfunction that can occur with modified sine wave inverters.

**Pure Sine Wave (Pro)**

**Modified Sine Wave (Con)**

01 High quality clean power supply  
Suitable for sensitive electric  
appliances

02 Low noise and stable working

03 Smooth output power  
for protecting electric devices

VS

01 Irregular waveforms may cause  
damage to sensitive electrical  
appliances

02 Noisy and unstable working

03 Unstable output power  
Voltage fluctuations will get  
the devices burned

**Why Choose The Pure Sine Wave Power Inverter?**

Image: A visual comparison illustrating the smooth waveform of pure sine wave power versus the stepped waveform of modified sine wave power, emphasizing the benefits of pure sine wave for sensitive electronics.

6. **Power Off:** When finished, first disconnect all AC and USB devices, then flip the inverter's power switch to the "OFF" position. Finally, disconnect the inverter from the 12V DC power source.

## MAINTENANCE

- **Cleaning:** Periodically clean the exterior of the inverter with a dry, soft cloth. Ensure the cooling vents are free from dust and debris. Do not use liquid cleaners or solvents.
- **Fuse Replacement:** The inverter is equipped with external replaceable fuses. If the inverter stops working and no other fault is apparent, check the fuses.
  - Disconnect the inverter from all power sources.
  - Carefully remove the fuse covers.
  - Inspect the fuses. If a fuse is blown (broken wire inside), replace it with a fuse of the exact same type and rating (e.g., 50A). Using an incorrect fuse can damage the inverter or create a fire hazard.
  - Replace the fuse covers securely.
- **Storage:** When not in use for extended periods, store the inverter in a cool, dry place, away from direct sunlight and moisture.

## TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No power output / Inverter does not turn on.	Inverter switch is OFF. Loose battery connections. Low battery voltage. Blown fuse. Faulty cigarette lighter connection (if used).	Turn the inverter switch ON. Check and tighten all battery cable connections. Recharge or replace the 12V battery. Inspect and replace fuses if blown (refer to Maintenance). Ensure the cigarette lighter socket is working and the adapter is fully inserted.
Inverter shuts down / Overload protection activated.	Total wattage of connected devices exceeds 1000W. High surge power from a device.	Reduce the number of connected devices or use lower wattage appliances. Some devices (e.g., motors, compressors) have high startup (surge) power. Ensure the inverter's surge capacity can handle it. Turn off the inverter, disconnect devices, wait a few minutes, then restart.
Inverter is hot / Over-temperature protection activated.	Poor ventilation. Operating in a hot environment. Excessive load for an extended period.	Ensure cooling vents are clear and there is adequate airflow around the inverter. Move the inverter to a cooler location. Reduce the load on the inverter. Allow the inverter to cool down before restarting.
Abnormal noise from inverter.	Cooling fan operating. Overload condition.	The cooling fan operates automatically when the inverter heats up. This is normal. If the noise is excessive or accompanied by other issues, check for overload.

## SPECIFICATIONS

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Feature	Specification
Model Name	KORKIE-1000W
Input Voltage	12V DC
Output Voltage	110V AC
Output Waveform	Pure Sine Wave
Continuous Power	1000W
USB Output	1x PD (30W) Type-C, 1x QC 3.0 USB, 2x 2.4A USB
AC Outlets	3
Product Dimensions	9.4 x 4.1 x 2.5 inches
Item Weight	2.8 pounds
Protection Features	Overload, Over-temperature, Short-circuit, Reverse Polarity, Low Voltage, Over Voltage

## WARRANTY AND SUPPORT

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The KORKIE 1000W Pure Sine Wave Inverter comes with a **12-Month Warranty** from the date of purchase.

This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

For technical support, warranty claims, or any questions regarding your product, please contact KORKIE customer service. Refer to your purchase documentation or the seller's contact information for the most up-to-date support channels.

KORKIE is committed to providing 24-hour customer service to assist you with any issues.