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> [Giandel 300W Pure Sine Wave Power Inverter with PD30W Type C and QC 3.0 USB - Instruction Manual](#)

Giandel PS-300B PD30W

Giandel 300W Pure Sine Wave Power Inverter with PD30W Type C and QC 3.0 USB

Model: PS-300B PD30W | Brand: Giandel

INTRODUCTION

The Giandel 300W Pure Sine Wave Power Inverter is designed to provide reliable AC power from your vehicle's 12V DC outlet. It features 300 watts of continuous power, two standard AC outlets, and advanced USB charging ports, including PD30W Type-C and QC 3.0 USB. This inverter is ideal for powering sensitive electronics, ensuring a clean and stable power supply for devices such as laptops, smartphones, tablets, and other small appliances.

SAFETY INFORMATION

This power inverter incorporates multiple safety features to protect both the device and your connected electronics.

- **Full Protection:** Includes safeguards against overheating, under and over voltage, short circuits, and overload.
- **Isolation Protection:** Designed with isolation protection for enhanced safety.
- **UL Approved Fuses:** Equipped with easily replaceable UL approved fuses to prevent fire and electric shock.
- **Heat Management:** The aluminum alloy housing and smart cooling fan help dissipate heat efficiently. Avoid placing the inverter on surfaces that may melt or be damaged by heat during prolonged high-power use.

Always ensure proper ventilation around the inverter during operation.

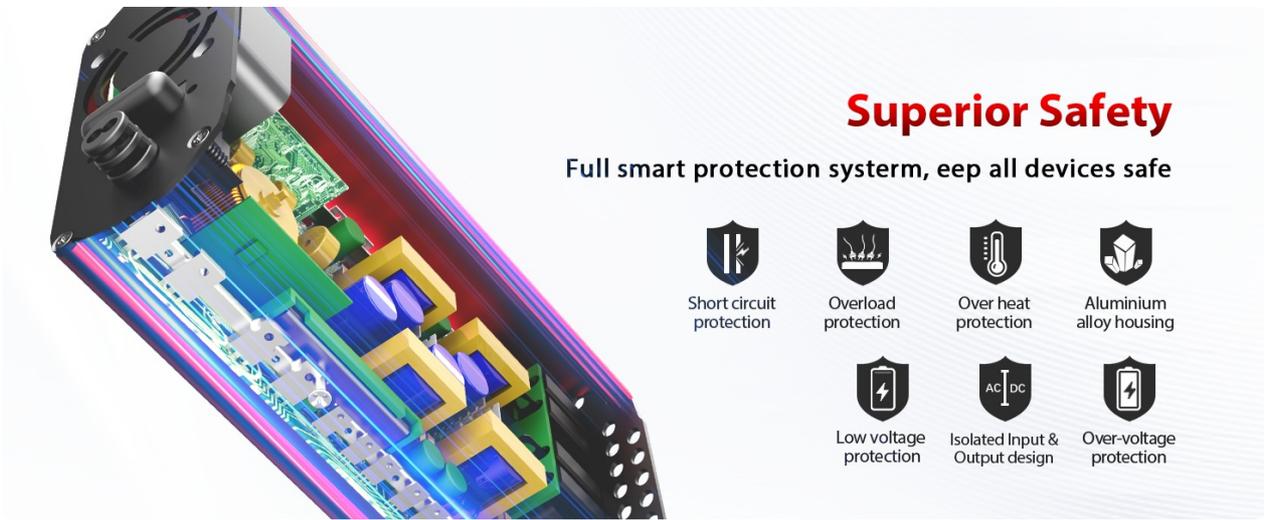


Image: Banner highlighting the superior safety features of the Giandel 300W Pure Sine Wave Power Inverter, including short circuit, overload, overheating, low voltage, isolated input/output, and over-voltage protection.

PACKAGE CONTENTS

Your Giandel 300W Pure Sine Wave Power Inverter package includes:

- Giandel 300W Pure Sine Wave Power Inverter Unit
- User Manual
- Cigarette Lighter Power Cable (28 inches)
- Extra Fuses (2 pieces)
- Reusable Velcro straps

What you get

✓ 7*24h Friendly Customer Support ✓ 100% customer satisfaction



Image: Contents of the Giandel 300W Pure Sine Wave Power Inverter package, including the inverter unit, user manual, extra fuses, reusable Velcro, and the 28-inch cigarette lighter power cable.

SETUP

1. Ensure your vehicle's engine is running or the ignition is in the "ACC" position to provide power to the cigarette lighter socket.
2. Insert the cigarette lighter plug of the inverter's power cable firmly into your vehicle's 12V cigarette lighter socket.
3. Locate the ON/OFF switch on the inverter and switch it to the "ON" position. The power indicator light should illuminate, indicating the inverter is ready for use.

Widely Usage

Up to most vehicles, apply to electric appliances under 300W



Drone



Gimbal



TV



Camera



Lamp



Projector



STARLINK



Image: The Giandel 300W Pure Sine Wave Power Inverter connected via its cigarette lighter plug in a vehicle, demonstrating its wide range of applications for various electronic devices.

OPERATING INSTRUCTIONS

The inverter provides multiple output options for charging and powering your devices.

AC Outlets

Plug your 110V AC devices (up to 300 watts continuous power) into the two standard AC outlets on the inverter. Ensure the total wattage of connected devices does not exceed 300W.

USB Charging Ports

The inverter features both PD30W Type-C and QC 3.0 USB-A ports for fast charging. Connect your compatible smartphones, tablets, and other USB-powered devices to these ports. The ports automatically detect your device to deliver the fastest possible charge speed, up to 3.6 amps (32 watts).

Travel Essentials

The output current is closer to household electricity, Compatible with more appliances



100% True PureSineWave



Conversion Efficiency up to 91%



Thd <3%



PD30W+QC3.0 Fast Charging



Normal USB Port

PD 30W + QC 3.0

↑ **77%**
Charge Speed

Image: The Giandel 300W Pure Sine Wave Power Inverter connected to a laptop and smartphone, highlighting its pure sine wave output, high conversion efficiency, low total harmonic distortion (THD), and fast charging capabilities via PD30W USB-C and QC 3.0 USB ports.

Power/Fault Indicator

A power/fault indicator light is present on the inverter. A green light typically indicates normal operation, while a red light or no light may indicate a fault or power issue.

Silent Cooling Fan

The inverter is equipped with a smart cooling fan that operates based on temperature and power load. This ensures efficient heat dissipation while maintaining quiet operation.

Silent Cooling Fan

Make your car more peaceful and comfortable



Image: Diagram illustrating the silent cooling fan mechanism within the Giandel 300W Pure Sine Wave Power Inverter, designed to keep the unit cool and quiet during operation.

MAINTENANCE

Fuse Replacement

The inverter uses UL approved replaceable fuses. If the inverter stops working due to an overload or short circuit, the fuse may need replacement.

1. Disconnect all devices from the inverter and unplug the inverter from the vehicle's power source.
2. Locate the fuse compartment (refer to the diagram in the original user manual for exact location).
3. Carefully remove the old fuse and replace it with one of the provided extra fuses (30 amps).
4. Securely close the fuse compartment.

UL Approved fuses , easily replaceable

Perfectly protect you from fire and electric shock. And all-round protection against damage to your appliances.



Image: Close-up view of the Giandel 300W Pure Sine Wave Power Inverter showing the easily replaceable UL approved fuse, emphasizing protection against electrical issues.

General Care

Keep the inverter clean and free from dust and debris. The aluminum alloy housing provides durability and protection.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Inverter not turning on	Loose connection, vehicle power off, blown fuse	Check cigarette lighter connection, ensure vehicle power is on, replace fuse if blown.
No power output from AC outlets	Overload, low battery voltage, inverter fault	Reduce connected load, check vehicle battery, restart inverter.
No power output from USB ports	Device incompatibility, inverter fault	Ensure device is compatible with PD30W/QC3.0, restart inverter.

Problem	Possible Cause	Solution
Inverter is hot	High load, poor ventilation	Ensure adequate ventilation, reduce load. The smart fan should activate to cool the unit.

For persistent issues, refer to the warranty and support section.

SPECIFICATIONS

- **Model Name:** PS-300B PD30W
- **Wattage:** 300 watts (Continuous)
- **Power Source:** DC 12V
- **Output Voltage:** 110V AC
- **USB-C Output:** PD30W
- **USB-A Output:** QC 3.0 (Dual ports, up to 3.6A/32W total)
- **Waveform:** Pure Sine Wave
- **Housing Material:** Aluminum Alloy
- **Item Weight:** 1.65 pounds
- **Package Dimensions:** 9.33 x 8.66 x 2.28 inches
- **Recommended Uses:** Vehicle
- **Manufacturer:** GIANDEL

WARRANTY AND SUPPORT

Giandel provides an **18-month warranty** for this product. Product liability is covered by AIG.

For any questions, technical assistance, or warranty claims, please contact Giandel customer support. They offer 7*24h friendly customer support.

For more information, visit the official Giandel store on Amazon: [Giandel Store](#)