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Jensen JP-30

Jensen JP30 300 Watt Power Inverter Instruction Manual

Model: **JP-30** | Brand: **Jensen**

INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Jensen JP30 300 Watt Power Inverter. This device converts 12 Volt DC power from your vehicle's battery into 110 Volt AC household power, allowing you to operate various electronic devices on the go. Please read this manual thoroughly before use and retain it for future reference.

PRODUCT FEATURES

- **300 Watts Continuous Power Output:** Provides stable power for your devices.
- **600 Watts Peak Power Handling:** Capable of handling higher power demands for short durations.
- **Dual AC Outlets:** Allows connection of two AC devices simultaneously.
- **12 Volt DC to 110 Volt AC Conversion:** Transforms vehicle power to standard household power.
- **Low-Battery Alarm and Shutdown:** Protects your vehicle's battery from excessive discharge.
- **Illuminated On/Off Switch:** For clear indication of power status.
- **User-Replaceable 30 Amp Fuse:** For easy maintenance and protection.
- **Metal Case:** Durable construction for longevity.
- **12 Volt Cigarette Lighter Plug and Direct Battery Connection:** Offers flexible power input options.

SAFETY FEATURES

The Jensen JP30 Power Inverter incorporates several safety mechanisms to ensure reliable operation and protect both the inverter and connected devices:

- **Automatic Short Circuit Detection and Shutdown:** Prevents damage in case of a short circuit.

- **Low Voltage Alarm:** Activates if the power input drops below 10.2 Volts DC, alerting the user.
- **Low Voltage Shutdown:** Initiates if the power input drops below 9.6 Volts DC, preventing unexpected dead car batteries.
- **Automatic Overload Detection and Shutdown:** Shuts down the unit if the continuous power draw from connected devices exceeds 350 watts, protecting against damage.

SETUP AND INSTALLATION

Before connecting the inverter, ensure your vehicle is turned off. Place the inverter in a well-ventilated area, away from direct sunlight, heat sources, and moisture. Do not block the cooling fan vents.

Connecting to a 12V Cigarette Lighter Socket:

1. Insert the cigarette lighter plug firmly into your vehicle's 12V accessory socket.
2. Ensure the connection is secure.
3. **Note:** Depending on your vehicle, you may need to turn the vehicle's ignition switch to the "ON" position to power the cigarette lighter socket.

Connecting Directly to a 12V Battery (using alligator clips, if included):

1. Connect the red alligator clip to the positive (+) terminal of the 12V battery.
2. Connect the black alligator clip to the negative (-) terminal of the 12V battery.
3. Ensure connections are tight and secure to prevent arcing.
4. This method is recommended for higher power draw applications to ensure stable power delivery.

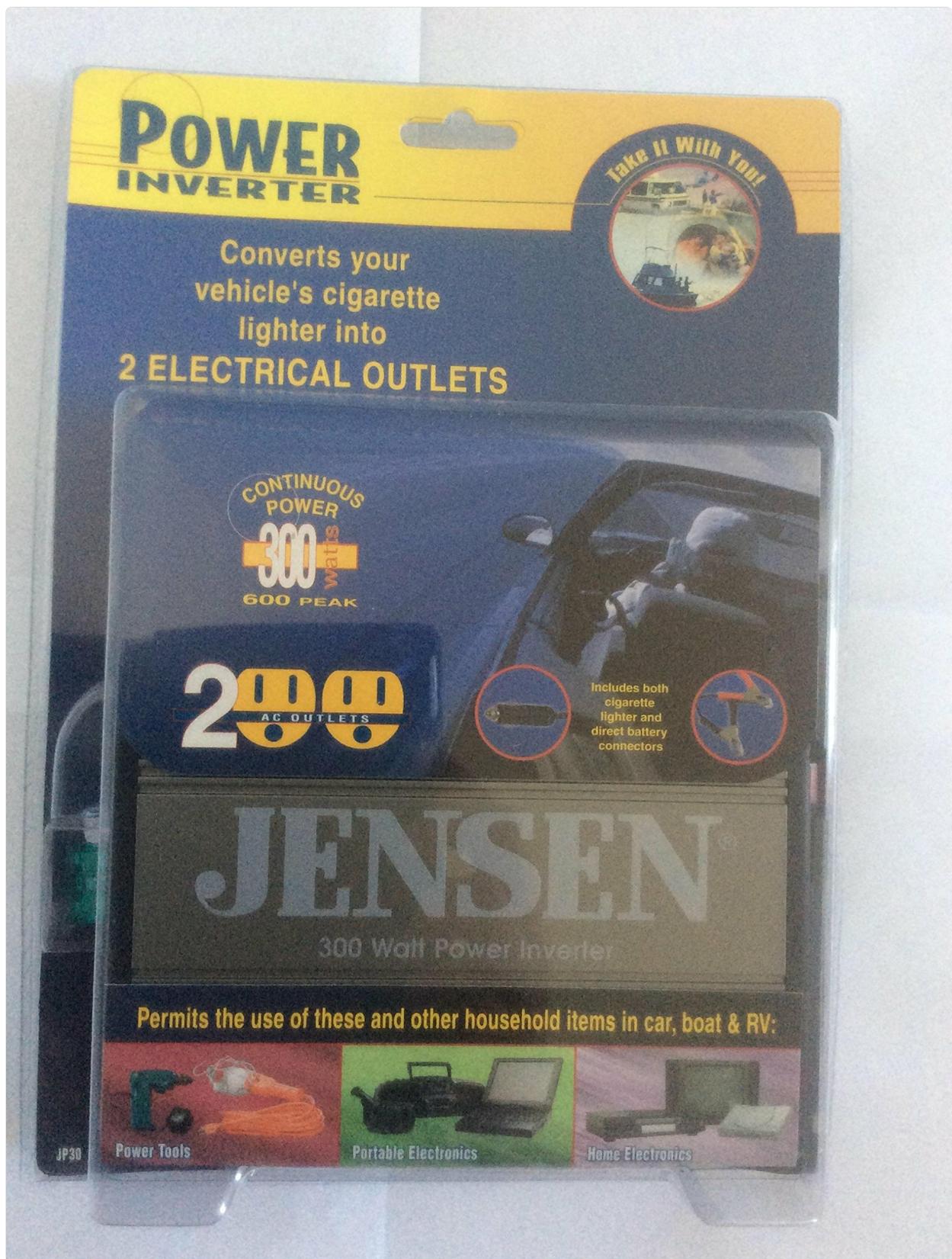


Image: Front view of the Jensen JP30 300 Watt Power Inverter, showing the two AC outlets and the illuminated on/off switch.

OPERATING INSTRUCTIONS

1. After connecting the inverter to a 12V power source, press the illuminated On/Off switch to turn the inverter on. The indicator light will illuminate.
2. Plug your 110V AC device(s) into the inverter's AC outlets.
3. Turn on your device(s).

4. To turn off the inverter, press the On/Off switch again. Disconnect devices when not in use.

Important Considerations:

- Ensure the total wattage of all connected devices does not exceed the inverter's continuous power output (300 watts). Exceeding this limit will trigger the overload shutdown.
- The inverter has a built-in cooling fan. It is normal for the fan to operate during use, and it may produce some noise. Ensure adequate ventilation around the unit.
- For optimal performance and to prevent battery drain, it is recommended to operate the inverter with the vehicle's engine running, especially when powering higher wattage devices.

APPLICATIONS AND USE CASES

The Jensen JP30 Power Inverter is suitable for a variety of applications, providing portable AC power for:

Power Inverter Usage Guide

Part No.	Continuous Power	Peak Power	For Use With:
JP20	160 Watts	300 Watts	Notebook Computers, Televisions (up to 13" color), VCRs, Video Games, Camcorders, Battery Chargers, Emergency Lights, Shavers
JP30	300 Watts	600 Watts	Same as JP20, plus: Televisions (up to 25" color), TV/VCR Combos (up to 20"), Stereos, Small Power Tools



Image: Packaging of the Jensen JP30 Power Inverter, highlighting its suitability for boating, camping, and traveling applications.

SPECIFICATIONS

- **Continuous Power Output:** 300 Watts
- **Peak Power Output:** 600 Watts
- **Input Voltage Range:** 11 - 15 Volts DC

- **Output Voltage:** 110 Volts AC
- **Wave Form:** Modified Sine Wave
- **AC Outlet:** Two 3-Prong
- **Fuse:** 30 Amp Blade-Type (User-Replaceable)
- **Dimensions (HxWxD):** 4" x 8.4" x 1.9"
- **Weight:** 1.76 lbs
- **Item Model Number:** JP-30

MAINTENANCE

To ensure the longevity and optimal performance of your Jensen JP30 Power Inverter, follow these maintenance guidelines:

- **Cleaning:** Periodically clean the exterior of the inverter with a soft, dry cloth. Do not use liquid cleaners or solvents.
- **Ventilation:** Keep the cooling fan vents clear of dust and debris to ensure proper airflow. Blocked vents can lead to overheating.
- **Fuse Replacement:** If the inverter stops functioning, check the 30 Amp blade-type fuse. If blown, replace it with a fuse of the same rating. Always disconnect the inverter from the power source before replacing the fuse.
- **Storage:** When not in use, store the inverter in a cool, dry place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

If you encounter issues with your Jensen JP30 Power Inverter, refer to the following common problems and solutions:

- **Inverter Not Turning On:**
 - Check if the 12V power source (cigarette lighter socket or battery) is providing power.
 - Ensure the vehicle's ignition is in the "ON" position if using the cigarette lighter socket.
 - Verify that the inverter's On/Off switch is pressed.
 - Check the 30 Amp fuse in the inverter and replace if blown.
 - Ensure all connections are secure.
- **Inverter Shuts Down Automatically:**
 - **Overload Shutdown:** The total wattage of connected devices exceeds 300 watts. Disconnect some devices or use lower-power alternatives.
 - **Low Voltage Shutdown:** The input voltage from the battery has dropped below 9.6 Volts DC. Start your vehicle's engine to recharge the battery or use the inverter with the engine running.
 - **Overheating:** Ensure the inverter is in a well-ventilated area and its cooling fan vents are not blocked. Allow the unit to cool down before restarting.
 - **Short Circuit:** Disconnect all devices and check for any short circuits in the wiring or devices.
- **Beeping/Buzzing Noise:**
 - This is typically a low voltage alarm, indicating the input power is below 10.2 Volts DC. Start your vehicle's engine to prevent further battery drain and potential shutdown.

- It can also indicate an impending overload. Reduce the load on the inverter.

WARRANTY AND SUPPORT

For warranty information or technical support, please contact Jensen customer service. Keep your purchase receipt as proof of purchase.

- **Manufacturer:** Recoton Accessories, Inc.
- **Address:** 2950 Lake Emma Road, Lake Mary, FL 32746
- **Website:** www.jensen.com
- **Manufacturing Origin:** Made in Taiwan