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STANLEY PCI140

STANLEY FATMAX PCI140 140W Power Inverter Instruction Manual

Model: PCI140 | Brand: STANLEY

1. Introduction and Overview

The STANLEY FATMAX PCI140 Power Inverter is designed to convert your vehicle's 12V DC (Direct Current) power into 120V AC (Alternating Current) household power, along with providing dual USB charging ports. This allows you to power and charge various electronic devices on the go, making it ideal for road trips, camping, or worksite use.

This inverter delivers 140W of continuous power and features a fan-free, silent running design. It includes a low voltage automatic shut-off to prevent draining your vehicle's battery and comes with a mounting kit for secure placement.



Figure 1: STANLEY FATMAX PCI140 Power Inverter, showing the main unit with its 12V DC plug, 120V AC outlet, and dual USB ports.

What is a Power Inverter?

A power inverter is an electronic device that converts direct current (DC) electricity from a source like a car battery into alternating current (AC) electricity, which is the type of power used by most household appliances and electronics. This allows you to use standard AC-powered devices in your vehicle.

▶ **Watch video online**
Stanley - What does an Inverter do?

Video 1: An explanatory video from STANLEY detailing the function of a power inverter.

2. Product Features

- **140W Continuous Power:** Provides 140 watts of continuous 120V household power for various devices.
- **Dual USB Ports:** Equipped with two USB ports for charging smartphones, tablets, and other USB-powered devices.
- **12V DC Plug:** Easily connects to your vehicle's DC accessory outlet (cigarette lighter).
- **Fan-Free, Silent Operation:** Designed for quiet use without the noise of an internal fan.
- **Low Voltage Automatic Shut-off:** Protects your vehicle's battery from excessive discharge by automatically turning off when the battery voltage is too low.
- **Mounting Kit Included:** Allows for secure and convenient placement within your vehicle, preventing movement during driving. The inverter clicks and locks into place with a push-button release.
- **Compact and Portable:** Lightweight design for easy transport and storage.



Figure 2: Detailed view of the PCI140 features, highlighting the 12V DC power plug, 120V AC power outlet, dual 2.1 Amp USB ports, and the 2ft power cord.

3. Setup and Installation

1. **Vehicle Preparation:** Ensure your vehicle's engine is running or the ignition is in the accessory position to provide power to the DC outlet.
2. **Plug In the Inverter:** Insert the 12V DC plug of the STANLEY FATMAX PCI140 into your vehicle's cigarette lighter socket. Ensure it is firmly seated.
3. **Power On:** The inverter will automatically power on when plugged in. A green LED indicator will illuminate to confirm power is active.

4. **Mounting (Optional):** If desired, use the included mounting kit to secure the inverter in a convenient location. The inverter is designed to click and lock into the mount, with a push-button release for easy removal.



Figure 3: Demonstrates plugging a device into the 120V AC outlet of the inverter.

4. Operating Instructions

Using the AC Outlet:

- Plug your 120V AC device directly into the inverter's AC outlet.
- Ensure the device's power consumption does not exceed the inverter's 140W continuous rating. Refer to the device's manual for its wattage requirements.

Using the USB Ports:

- Connect your USB-powered devices (e.g., smartphones, tablets) to the dual USB ports using appropriate USB cables.
- The USB ports provide 2.1 Amps each, suitable for fast charging many portable devices.



Figure 4: The inverter in use, charging a smartphone and tablet simultaneously in a vehicle.

Wattage Reference Chart:

The following chart provides approximate wattage requirements for common devices. Always check your device's specific power needs.



Figure 5: A usage chart indicating approximate wattage for various devices when connected to the inverter.

5. Safety Information

WARNING: This product can expose you to chemicals including lead and lead compounds, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

- Do not exceed the inverter's rated wattage (140W continuous). Overloading can damage the inverter and connected devices.
- Ensure adequate ventilation around the inverter. Although fan-free, proper airflow helps dissipate heat.
- Keep the inverter away from water, moisture, and flammable materials.
- Do not disassemble or modify the inverter. Refer all servicing to qualified personnel.
- The low voltage shut-off feature protects your vehicle's battery, but it is always recommended to monitor your vehicle's battery level during prolonged use.

6. Troubleshooting

- **No Power Output:**
  - Check if the inverter's 12V DC plug is securely inserted into the vehicle's accessory outlet.
  - Ensure the vehicle's engine is running or the ignition is in the accessory position.
  - Verify that the vehicle's accessory outlet fuse is not blown.
  - Check if the device being powered is within the 140W limit. Overloaded devices will trigger the inverter's protection.
  - If the inverter has shut off due to low battery voltage, start your vehicle to recharge the battery.
- **Device Not Charging via USB:**
  - Ensure the USB cable is properly connected to both the inverter and the device.
  - Try a different USB cable or device to rule out cable/device issues.
- **Inverter Overheating:**
  - Although fan-free, ensure the inverter is not covered and has adequate airflow around it.
  - Reduce the load on the inverter by unplugging high-wattage devices.

7. Specifications

Attribute	Value
Brand	STANLEY
Model Name	PCI140
Wattage (Continuous)	140 watts
Input Voltage	12 Volts DC
Output Voltage	120 Volts AC
USB Output	Dual 2.1 Amp Ports
Power Source	Vehicle DC Power Socket
Item Weight	1 pound
Product Dimensions	7.5 x 3 x 11.5 inches
Manufacturer	Baccus Global LLC



Figure 6: Visual representation of the product dimensions.

8. Maintenance

- **Cleaning:** Periodically wipe the exterior of the inverter with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, store the inverter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Regularly inspect the 12V DC power cord and any connected cables for signs of wear, damage, or fraying. Replace damaged cables immediately.

9. Warranty and Support

The STANLEY FATMAX PCI140 Power Inverter includes a limited 1-year manufacturer warranty. For warranty claims, technical support, or further assistance, please refer to the contact information provided with your product packaging or visit the official STANLEY website.

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