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› PiSFAU 150W Car Power Inverter User Manual (Model MT-MX150W)

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Model: MT-MX150W | Brand: PiSFAU

1. INTRODUCTION

The PiSFAU 150W Car Power Inverter (Model MT-MX150W) converts 12V DC power from your vehicle's cigarette lighter socket into 110V AC power, along with providing dual USB charging ports. This device is designed to power and charge various electronic devices on the go, making it suitable for road trips, camping, and other outdoor activities.



Image: The PiSFAU 150W Car Power Inverter with its cigarette lighter plug and multiple output ports.

2. SAFETY INFORMATION

To ensure safe operation and prevent damage to the device or your vehicle, please observe the following safety guidelines:

- The inverter features built-in protections against overheating, under-voltage, over-voltage, short-circuiting, overloads, and overcharging.
- Do not use the inverter with wet hands or in damp environments.
- Ensure the total power consumption of connected devices does not exceed 150W for continuous use or 300W for peak power.
- Disconnect the inverter from the vehicle's power source when not in use for extended periods or before starting the car.
- Avoid operating high-wattage appliances such as hair dryers, electric kettles, or coffee makers, as these typically exceed the inverter's capacity.
- Keep the device away from flammable materials and direct sunlight.

Multiprotect technology

Perfect protection for your devices



Low voltage protection



High voltage protection



Short-circuit protection



Overload protection



Overheating protection

Image: Diagram illustrating the multi-protection features of the inverter, including low voltage, high voltage, short-circuit, overload, and overheating protection.

3. PRODUCT OVERVIEW

The PiSFAU 150W Car Power Inverter is a compact and versatile device designed for convenience. It features:

- **150W Continuous Power:** Provides stable power for various electronics.
- **300W Peak Power:** Handles devices with higher initial power demands.
- **Dual USB Charging Ports:** One 1A port and one 2.1A port (3.1A total) for fast charging mobile devices.
- **110V AC Outlet:** Standard US outlet for plugging in small appliances.
- **Compact Design:** Small footprint (3.2 x 2.5 x 1.5 inches) for easy storage and portability.
- **Durable Construction:** Strong metal shell protects against drops and impacts.
- **Intelligent Cooling Fan:** Operates quietly and adjusts speed based on device temperature to prevent overheating.

Dual USB Ports Output

Simultaneously charges 2 devices at high speed



Image: Close-up view of the inverter highlighting the dual USB ports and the AC power outlet.

4. SETUP

1. **Locate the 12V DC Outlet:** Identify the cigarette lighter socket in your vehicle. This is typically found in the dashboard, center console, or rear cargo area.
2. **Insert the Inverter:** Firmly insert the inverter's DC plug into the vehicle's 12V DC outlet.
3. **Power On:** Ensure your vehicle's engine is running to provide power to the 12V outlet. The inverter's power indicator light should illuminate green, indicating it is ready for use.

Your browser does not support the video tag.

Video: A short demonstration showing how to plug the 150W Power Inverter into a vehicle's 12V outlet and its immediate readiness for use.

5. OPERATING INSTRUCTIONS

1. **Using the AC Outlet:**
 - Plug your 110V AC device into the inverter's standard AC socket.

- Ensure the device's power consumption does not exceed the inverter's 150W continuous power rating.
- Examples of compatible devices include laptops, small fans, and portable lights.

2. Using the USB Ports:

- Connect your USB-powered devices (e.g., smartphones, tablets, game consoles) to either the 1A or 2.1A USB port.
- The inverter's smart identification technology will automatically deliver the optimal charging speed for your device.



Image: The inverter actively charging a laptop and two smartphones simultaneously, demonstrating its multi-device charging capability.

Your browser does not support the video tag.

Video: A quick overview of the 150W Car Inverter, showcasing its features and how it can be used to power various devices.

6. MAINTENANCE

- Keep the inverter clean and dry. Use a soft, dry cloth to wipe the exterior.

- Avoid exposing the device to water, rain, or excessive moisture.
- Ensure the cooling fan vents are not obstructed to allow for proper airflow and prevent overheating.
- Store the inverter in a cool, dry place when not in use.

7. TROUBLESHOOTING

- **No Power / Indicator Light Off:**

- Check that the inverter's DC plug is firmly seated in the vehicle's 12V DC outlet.
- Ensure the vehicle's engine is running, as some 12V outlets only provide power when the engine is on.
- Inspect your vehicle's fuse box for a blown fuse related to the 12V DC outlet. Replace if necessary.

- **Device Not Charging / Powering:**

- Verify that the power consumption of your device is within the inverter's 150W continuous power limit.
- Check the charging cable of your device for any damage or loose connections.

- **Overheating / Fan Noise:**

- The intelligent cooling fan will activate and may increase speed when the inverter heats up, which is normal.
- If the device feels excessively hot or produces unusual noises, disconnect it immediately and allow it to cool down. Reduce the load if possible.

8. SPECIFICATIONS

Model Number	MT-MX150W
Input Voltage	DC 12V
Output Voltage	AC 110V / 60Hz
Continuous Power	150 Watts
Peak Power	300 Watts
USB Output	Dual USB (5V 1A + 2.1A)
Dimensions (L x W x H)	3.2 x 2.5 x 1.5 inches
Weight	0.6 ounces
Manufacturer	PiSFAU

9. CUSTOMER SERVICE

For any questions, concerns, or support regarding your PiSFAU 150W Car Power Inverter, please contact our customer service team. We are committed to providing 100% customer satisfaction.

You can visit the official [PiSFAU Store](#) for more information and support resources.

