

## DC 12V to AC 110V Power Inverter

This power inverter converts DC 12V power from a car's cigarette lighter socket to AC 110V power. It features AC outlets and USB charging ports for versatile connectivity.



### ADDITIONAL IMAGES



### Product Overview

#### Compact Power Solution

This DC 12V to AC 110V power inverter is designed to convert vehicle DC electricity into reliable AC power for small electrical equipment and digital devices. It is an ideal companion for cars, mobile offices, and emergency situations, offering a lightweight and stable power solution. With high conversion efficiency and robust protection features, it ensures safe and versatile connectivity for all your portable power needs.

### Electrical Specifications

#### Rated Power

**150 W**

Rated Power

**300 W**

Peak Power

#### Input & Output Details

Parameter	Value
DC Input	12V (DC 11-15V)
AC Output	AC 110V $\pm$ 10%
Output Frequency	60 $\pm$ 3Hz
USB Output	DC 5V MAX 2.4A

## Performance & Safety

### Performance Metrics

- Efficiency: >85%
- Output Wave: Modified sine wave
- No load current (12V input): <0.45A

### Protection Thresholds

Condition	Threshold
Input Low Voltage Alarm	DC 10.2 - 10.8V
Input Over Voltage Shut Down	DC 15 - 16V
Overload Shut Down	170W - 200W

### Safety Features

Overvoltage Protection, Undervoltage Protection, Overload Protection, Short Circuit Protection

## Operating Environment

Optimal Operating Temperature	35
Fuse Rating	20Ax1