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› RoyPow C36 AC to DC Converter with USB C Charger and Car Cigarette Lighter Socket User Manual

RoyPow C36

RoyPow C36 AC to DC Converter User Manual

Model: C36 | Brand: RoyPow

1. PRODUCT OVERVIEW

The RoyPow C36 AC to DC Converter is a versatile power adapter designed to convert standard household AC current (100-240V) to 12V DC. This device provides a 3A, 36W car cigarette lighter socket for automotive electronics and features multiple USB charging ports for mobile devices. It includes interchangeable plugs for international travel, offering a comprehensive charging solution.

**Compact Size
Perfect for Travel**

95g



Image 1.1: The RoyPow C36 converter is designed for compact portability, ideal for travel.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before using this product to prevent injury or damage.

- **Power Limitations:** This converter is designed for automotive electronics under 36W. **DO NOT** use it with high-powered devices such as air pumps, air compressors, vacuum cleaners, car refrigerators, 12V heated seats, or tire inflators. Exceeding the 36W limit can damage the device and connected electronics.
- **Overload Protection:** The unit features built-in safeguards against over-current, over-voltage, over-heating, and short-circuiting. If the device stops functioning, disconnect it from the power source and connected devices, then allow it to cool before attempting to use it again.
- **Environment:** Use the converter in a dry environment. Avoid exposure to water, moisture, or extreme temperatures.
- **Ventilation:** Ensure adequate ventilation around the converter during operation to prevent overheating.
- **Children:** Keep out of reach of children.

DO NOT Power the Automotive Electronics Exceed 36W



Car Refrigerator



Car Vacuum Cleaner



Cooler / Warmer Box



12V Coffee / Water Mug



12V Heated Seat



Air Compressor / Pump



Tire Inflator / Pump



Image 2.1: Devices exceeding 36W should not be connected to the RoyPow C36 converter.

3. PACKAGE CONTENTS

The RoyPow C36 AC to DC Adapter set includes the following items:

- 1 x RoyPow C36 Universal Charger (AC to DC Converter)
- 4 x Interchangeable Plugs (UK, AU, US, EU)
- 1 x User Guide



Image 3.1: The RoyPow C36 converter comes with a set of international plugs.

4. PRODUCT FEATURES AND COMPONENTS

The RoyPow C36 converter is equipped with multiple output ports and features for versatile charging:

- **12V/3A Car Cigarette Lighter Socket:** Provides up to 36W of power for compatible 12V automotive devices.
- **USB-C Port (18W PD 3.0):** Supports Power Delivery 3.0 for fast charging compatible USB-C devices.
- **USB-A Port (18W QC 3.0):** Supports Quick Charge 3.0 for fast charging compatible USB-A devices.
- **Interchangeable Plugs:** Includes UK, AU, US, and EU plugs for international compatibility across over 150 countries.

All-for-One Worldwide Charging

4 different types of plug provide you convenience to travel more than 150 Countries



Image 4.1: The converter supports various international plug types.

5. SETUP AND INSTALLATION

1. **Select the Correct Plug:** Identify the appropriate interchangeable plug for your region (UK, AU, US, or EU).
2. **Attach the Plug:** Align the chosen plug with the main converter unit and firmly slide it into place until it clicks securely.
3. **Connect to Power Outlet:** Insert the assembled converter into a standard AC wall outlet (100-240V).
4. **Connect Devices:** Plug your USB-C, USB-A, or 12V automotive devices into the corresponding ports on the converter.

6. OPERATING INSTRUCTIONS

Once properly set up, the RoyPow C36 converter is ready for use:

- **USB Charging:** Connect your smartphone, tablet, or other USB-powered devices to the 18W PD 3.0 (USB-C) or 18W QC 3.0 (USB-A) ports. The converter will automatically detect and deliver optimal charging speed. For example, an iPhone 12 can charge up to 50% in approximately 30 minutes using the PD 3.0 port.
- **12V Automotive Device Power:** Insert your 12V automotive electronic device (e.g., car dash cam, car MP3

player, car Bluetooth FM transmitter) into the female cigarette lighter socket. Ensure the device's power consumption does not exceed 36W.

- **Simultaneous Charging:** The converter supports simultaneous charging of multiple devices across its ports, with a total output of 36W.



Image 6.1: Fast charging capabilities for mobile devices.

36W Car Cigarette Lighter Socket

12V DC Output can power automotive
electronics within 36W



Car Recorder



Car Humidifier



Car Fan



Electric Car Shave



Car Air Refresher

Image 6.2: Powering 12V automotive accessories.

36W Total Output for 2 Devices

Simultaneous high-speed charging
for phones and tablets



Image 6.3: Simultaneous charging of two devices.

7. COMPATIBILITY

The RoyPow C36 converter offers broad compatibility with various electronic devices:

- **USB Port Compatible Devices:** iPhone 12/12 mini/12 pro/12 pro Max/11/11Pro/11proMax/SE 2020, iPhone XS/XS Max/XR/X/8/7/6/5, iPad, iPod, Samsung Galaxy S10/S10e/S10+/S9/S9+/S8/S8+/Note 9/Note 8, Google Pixel/Pixel 3a/XL/3/2XL/2, Nexus 5X/6P, Sony XZ2 Premium, Sony XZ3, Nintendo Switch, MP3/MP4/MP5 players, E-book readers, PSP, Digital cameras, power banks, and more.
- **Cigarette Lighter Port Compatible Devices (under 36W):** Car Dash Cam, car DVR video recorder, car MP3 player, car Bluetooth FM transmitter, car air purifier, car humidifier, car telephone, automotive razor, car charger.
- **Incompatible Devices (Exceeding 36W):** Car refrigerator, air pump, air compressor, vacuum cleaner, tire inflator, 12V heated seat, or any other high-powered device.

Universal Compatibility

Compatible with almost any electronic devices and 36W car electronics,
but not for car refrigerator, air pump, air compressor, tire inflator



Image 7.1: Examples of compatible devices for the RoyPow C36 converter.

8. TROUBLESHOOTING

If you encounter issues with your RoyPow C36 converter, please refer to the following common solutions:

• Device Not Charging:

- Ensure the converter is securely plugged into a functioning wall outlet.
- Verify that the interchangeable plug is firmly attached to the converter.
- Check that your charging cable is properly connected to both the converter and your device.
- Confirm that your device is compatible with the charging port used (USB-C PD, USB-A QC, or 12V cigarette lighter).
- For 12V automotive devices, ensure their power consumption is below 36W.

• Converter Overheating:

- Disconnect all devices and unplug the converter from the wall outlet.
- Allow the converter to cool down completely.
- Ensure there is adequate ventilation around the unit and it is not covered.
- Verify that the total wattage of connected devices does not exceed 36W.

- **No Power Indicator Light:**
 - Check the wall outlet with another device to ensure it is live.
 - Ensure the interchangeable plug is correctly and firmly attached.

9. SPECIFICATIONS

Brand	RoyPow
Model Number	C36
Input Voltage	100-240V AC
Output Voltage	12V DC
Output Current (12V)	3A
Total Wattage	36W
USB-C Output	18W PD 3.0
USB-A Output	18W QC 3.0
Number of Outlets	3 (1x 12V Cigarette Lighter, 1x USB-C, 1x USB-A)
Plug Type	Interchangeable (US, UK, EU, AU)
Color	Black
Item Weight	0.53 Pounds (approx. 240g)
Item Dimensions (L x W x H)	2.79 x 2.66 x 1.6 inches (approx. 70.9 x 67.5 x 40.7 mm)

10. WARRANTY AND SUPPORT

The RoyPow C36 AC to DC Converter comes with an 18-month warranty from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use.

For technical support, warranty claims, or any questions regarding your product, please contact RoyPow customer service through the retailer's platform or visit the official RoyPow website for contact information.