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› UGREEN 150W USB C Car Charger Instruction Manual

## UGREEN EC706

# UGREEN 150W USB C Car Charger Instruction Manual

MODEL: EC706

## 1. Introduction

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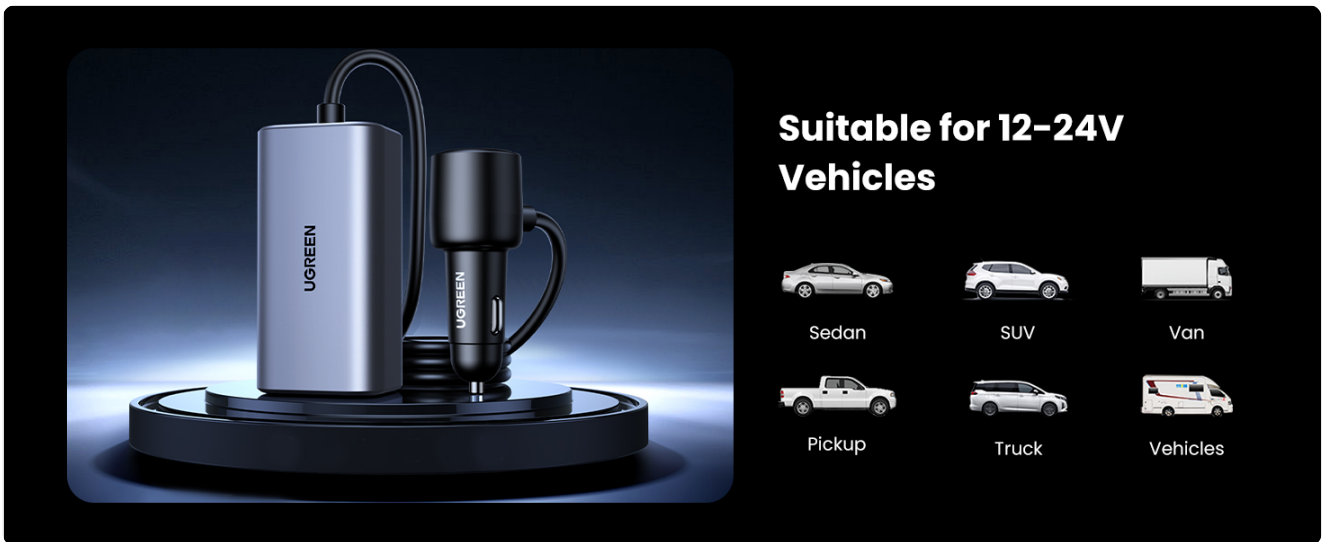
Thank you for choosing the UGREEN 150W USB C Car Charger. This device is designed to provide efficient and fast charging for a wide range of electronic devices, including laptops, tablets, and smartphones, directly from your vehicle's cigarette lighter socket. Featuring advanced GaN technology and multiple output ports, it ensures reliable power delivery on the go.

## 2. Safety Information

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

- To achieve the maximum 150W power output, ensure your vehicle's fuse for the cigarette lighter socket is rated at 20A or above.
- Connecting the charger to a vehicle with a fuse rated below 20A may cause the vehicle's fuse to blow.
- Do not expose the charger to extreme temperatures, moisture, or corrosive environments.
- Do not disassemble, modify, or attempt to repair the charger.
- Keep out of reach of children.



The UGREEN 150W Car Charger incorporates multiple safety features including overload, overvoltage, overheat, and short circuit protection to ensure safe charging.

### 3. Package Contents

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Verify that all items are present in your package:

- 1 x UGREEN 150W USB C Car Charger (Model EC706)
- 1 x 3.3 ft Charging Cable



The UGREEN 150W USB C Car Charger and its accompanying 3.3 ft charging cable.

#### 4. Product Overview

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The UGREEN 150W Car Charger features a compact design with multiple charging ports and a convenient clip for

placement.

- **Cigarette Lighter Plug:** Connects to your vehicle's 12V-24V power outlet.
- **USB-C1 Port:** Output for various devices.
- **USB-C2 Port:** High-power output, supporting up to PD 140W.
- **USB-C3 Port:** Output for various devices.
- **USB-A Port:** Standard USB-A output, supporting SCP 22.5W.
- **Rear Clip:** Allows for easy attachment to the back pocket of a car seat for convenient access.



**Comes with a clip for easy placement on the back of the car seat.**



The charger features a rear clip for secure and convenient placement within your vehicle.

## 5. Setup

To set up your UGREEN 150W Car Charger:

1. Insert the cigarette lighter plug of the charger into your vehicle's 12V-24V power outlet. Ensure it is securely

seated.

2. If desired, use the integrated rear clip to attach the main charging unit to a car seat back pocket or other suitable location for easy access by passengers.

## Suitable for 12-24V Vehicles



The charger is compatible with 12-24V vehicle power systems, suitable for a wide range of car types.

### 6. Operating Instructions

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The UGREEN 150W Car Charger allows simultaneous charging of up to four devices.

1. Connect your device's charging cable to the appropriate port on the UGREEN charger (USB-C1, USB-C2, USB-C3, or USB-A).
2. For optimal fast charging, especially for high-power devices like laptops, use the USB-C2 port which supports up to 140W PD 3.1.
3. The charger intelligently distributes power across the ports based on the connected devices' requirements. Refer to the 'Voltage Distribution Table' in the Specifications section for detailed power output scenarios.

# 4-IN-1 Fast Charging



PD3.1/3.0/2.0



QC 4.0/3.0



AFC Galaxy



SCP HUAWEI



PPS USB-C



The charger supports simultaneous fast charging for up to four devices, distributing power efficiently.



**140 W PD 3.1 Fast Charging  
for Macbook Pro 16"**

**27 Minutes 0-50%  
USB-C2 Port**

**30 Minutes**

The USB-C2 port provides up to 140W PD 3.1 fast charging, capable of charging a MacBook Pro 16 inch from 0% to 50% in approximately 30 minutes.

## 7. Maintenance

To ensure the longevity and optimal performance of your UGREEN Car Charger:

- Keep the charger clean and free from dust and debris. Use a soft, dry cloth for cleaning.

- Avoid dropping the charger or subjecting it to strong impacts.
- Store the charger in a cool, dry place when not in use.
- Regularly check the cigarette lighter socket for any loose connections or corrosion.

## 8. Troubleshooting

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If you encounter issues with your UGREEN Car Charger, refer to the following common problems and solutions:

- **Charger is not powering on/no charging:**
  - Ensure the charger is fully inserted into the vehicle's cigarette lighter socket.
  - Check your vehicle's fuse for the cigarette lighter socket. If it's blown, replace it with a fuse of the correct amperage (20A or above is recommended for full functionality).
  - Test the charger in a different vehicle or a different 12V socket if available.
- **Slow charging speed:**
  - Ensure your device and charging cable support fast charging protocols (e.g., PD 3.1, QC, SCP).
  - Verify that you are using the correct port for high-power devices (USB-C2 for 140W PD).
  - The total output is shared among all connected devices. If multiple devices are connected, the power per port may be reduced.
- **One or more ports are not working:**
  - Try disconnecting and reconnecting the device and cable to the affected port.
  - Test with a different charging cable and device to rule out cable or device issues.
  - If a specific port consistently fails, contact UGREEN customer support.

## 9. Specifications

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Detailed technical specifications for the UGREEN 150W USB C Car Charger:

- **Model Number:** EC706
- **Total Output:** Up to 150W
- **Input Voltage:** 12-24V
- **Output Ports:** 3 x USB-C, 1 x USB-A
- **USB-C2 Output:** Up to 140W (PD 3.1)
- **USB-A Output:** Up to 22.5W (SCP)
- **Technology:** GaN (Gallium Nitride)
- **Dimensions:** 5.43 x 5.35 x 1.93 inches (Package)
- **Item Weight:** 10.9 ounces
- **Included Components:** 1 charging cable (3.3 ft)
- **Safety Features:** Overload protection, Overvoltage protection, Overheat protection, Short circuit protection



Key features of the UGREEN 150W Car Charger, including PD 3.1 support and GaN technology.

### Voltage Distribution Table

The following table illustrates the typical power distribution across ports depending on the number of devices connected:

Output Ports	USB-C1	USB-C2	USB-C3	USB-A
1 Output Port	30W	140W	30W	22.5W
2 Output Ports	30W	100W		
		30W	30W	
		100W		22.5W
3 Output Ports	30W	90W	30W	
		90W		24W
4 Output Ports	30W	90W	24W	

# Voltage Distribution Table



	USBC-1	USBC-2	USBC-3	USBA
<b>1 Output Port</b>	30W	140W	30W	22.5W
<b>2 Output Ports</b>	30W	100W		
	30W		30W	
	30W			22.5W
<b>3 Output Ports</b>		100W	30W	
		100W		22.5W
	30W	90W	30W	
	30W	90W		22.5W
<b>4 Output Ports</b>	30W			24W
		90W		24W
	30W	90W	24W	

Visual representation of the voltage distribution across the charger's ports.

## 10. Compatibility

The UGREEN 150W Car Charger offers wide compatibility with various devices and vehicle types:

- **Vehicles:** Suitable for 12-24V vehicles, including sedans, SUVs, vans, pickups, and trucks.

- **Laptops:** Compatible with MacBook Pro, MacBook Air, HP Pavilion, Lenovo Notebook, Chromebook, Surface Pro, and other laptops supporting PD charging via USB-C2.
- **Phones & Tablets:** iPhone 16/15/14/13 series, Galaxy S24/S23/S22 series, Pixel 9/8, iPad, and other smartphones/tablets supporting PD30W via USB-C1/C3 or SCP 22.5W via USB-A.
- **Other Devices:** Nintendo Switch, GoPro, GPS devices, dash cameras, portable power banks, car vacuum cleaners, and other car electric appliances.

## For Laptops | PD140W/USB-C2



Macbook Air/Pro 16"



HP Pavilion



Lenovo Notebook



Chromebook



Surface Pro

## For Phones and Tablets | PD30W/USB-C1 USB-C3



iPhone Series



Galaxy Series



Xiaomi Series



iPad

## For Huawei | SCP 22.5 W/USB-A



Huawei Series

## For others | QC 3.0/USB-A



Others

# Universal Compatibility



The charger provides universal compatibility for a broad range of electronic devices.

## 11. Warranty and Support

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UGREEN products come with a standard warranty. For specific warranty terms and conditions, please refer to the warranty card included with your purchase or visit the official UGREEN website. If you require technical assistance, have questions about product functionality, or need to report an issue, please contact UGREEN customer support through their official channels. Provide your product model number (EC706) and purchase details for faster service.

For more information, visit the [UGREEN Store on Amazon](#).