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> Qidoe 83W PD USB C Car Charger for Surface Mount: 65W Type C and QC3.0 Dual USB 12V/24V Charger User Manual

Qidoe QD1009

Qidoe 83W PD USB C Car Charger (Model: QD1009)

User Instruction Manual

1. INTRODUCTION AND PRODUCT OVERVIEW

Thank you for choosing the Qidoe 83W PD USB C Car Charger. This device is designed to provide efficient and versatile charging solutions for your electronic devices in a vehicle environment. Featuring a 65W Power Delivery (PD) USB-C port and an 18W Quick Charge 3.0 (QC3.0) USB-A port, it offers a combined output of up to 83W. The charger is compatible with 12V/24V vehicle power systems and includes an intuitive LED digital display for monitoring voltage and current, along with a physical on/off switch and a dustproof flip cover for enhanced durability.

NEWEST

⚡ 83W PD for Macbook iPhone



Type-C
65W



QC3.0
18W

Image 1.1: The Qidoe 83W PD USB C Car Charger in use, demonstrating its dual charging capabilities for a MacBook and an iPhone.

Surface Mount 12V USB Power Outlet

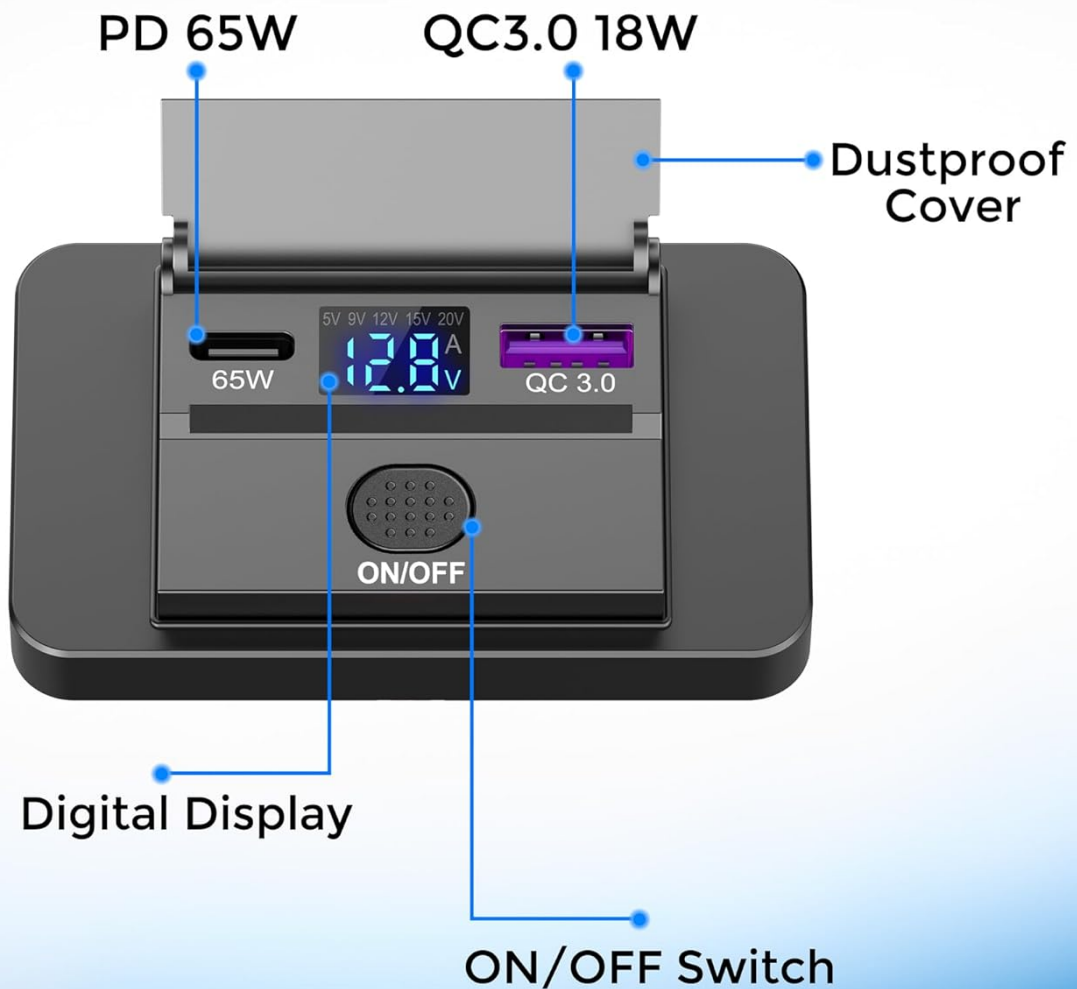


Image 1.2: Detailed view of the charger's components, including the ports, digital display, and control switch.

2. SETUP AND INSTALLATION

This charger is designed for surface mounting, requiring minimal modification to your vehicle's interior. Follow these steps for proper installation:

1. **Prepare the Mounting Surface:** Choose a flat, stable surface in your vehicle for installation.
2. **Open the Cover:** Carefully open the outer frame/cover of the charger unit.
3. **Drill Wiring Holes:** Drill a small hole (approximately 1.8 cm in diameter, refer to dimensions in Section 5) through the chosen mounting surface to pass the power cables. Ensure the hole is only large enough for the wires, not the entire unit.
4. **Connect Wiring:**
 - Connect the **red wire** to the positive (+) terminal of your vehicle's 12V/24V power source.
 - Connect the **black wire** to the negative (-) terminal or a suitable ground point.

Important: Ensure correct polarity to prevent damage to the charger and your vehicle's electrical system. It is

recommended to connect through a fuse (not included) for safety.

5. **Secure the Unit:** Place the main body of the charger onto the mounting surface, aligning the wiring through the drilled hole. Use the provided screws to firmly fix the unit to the surface.
6. **Close the Cover:** Reattach the outer frame/cover to the main unit. Ensure it snaps securely into place.

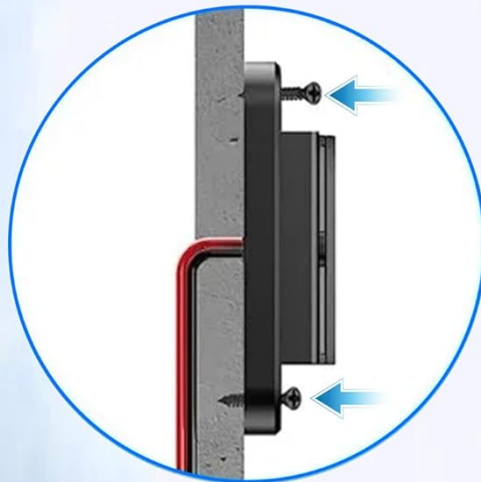
Simple Installation, No Large Hole Needed



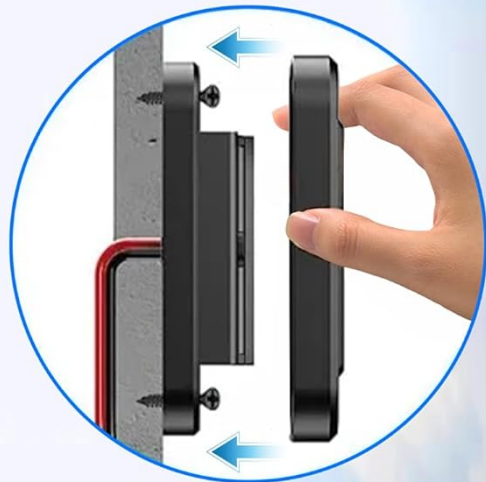
1. Open the cover.



2. Drill wiring holes.



3. Fix the screws.



4. Close the cover.

Image 2.1: Step-by-step guide for surface mount installation.

3. OPERATING INSTRUCTIONS

3.1 Powering On/Off

- The charger features a physical **ON/OFF pressure switch**. Press the switch to toggle the power to the USB ports and the digital display.
- When the charger is powered on, the LED digital display will illuminate.



Image 3.1: Demonstrating the ON/OFF function of the charger.

3.2 Using the Charging Ports

- **USB-C (PD 65W) Port:** Connect your USB-C compatible laptops, tablets, or smartphones to this port for fast charging. The 65W PD3.0 port can boost voltage to 15V and 20V for optimal charging of larger devices.
- **USB-A (QC3.0 18W) Port:** Connect your Quick Charge 3.0 compatible devices or standard USB devices to this port for efficient charging.
- You can charge two devices simultaneously using both ports.

3.3 Digital Display Functionality

- **Battery Voltage Monitoring:** In standby mode or when only the USB-A port is in use, the display shows the vehicle's battery voltage (V), allowing you to monitor its health.
- **Real-time Charging Data:** When a device is connected to the 65W USB-C port, the display automatically switches to show the real-time output voltage (V) and current (A) for the PD interface, providing immediate feedback on charging performance.

Dual-Function LED Display

Monitors Car Battery Voltage & 65W PD Output

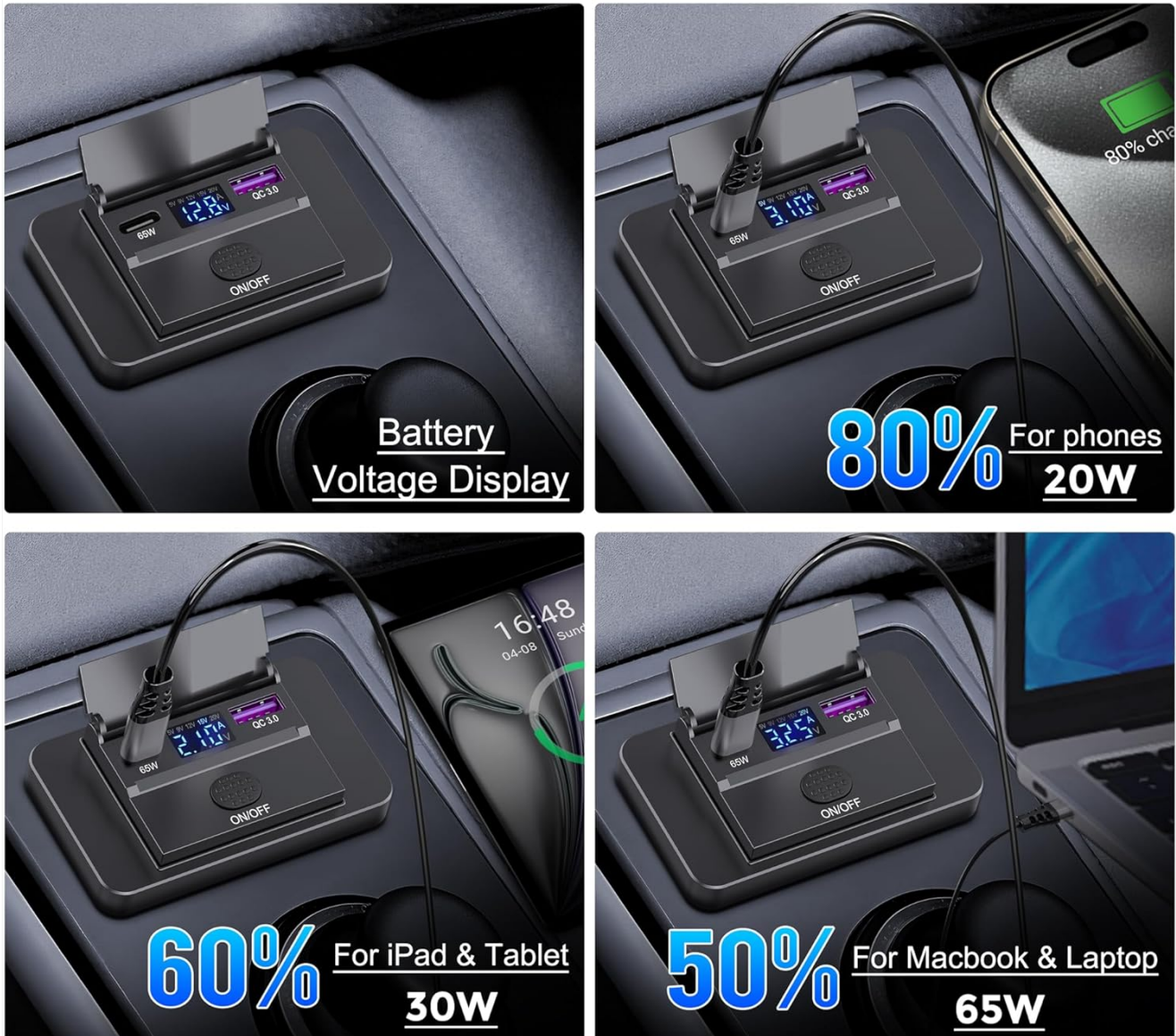


Image 3.2: The digital display showing vehicle battery voltage and real-time charging output for various devices.

4. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surface of the charger. Avoid using abrasive cleaners or solvents.
- **Dustproof Cover:** Keep the flip cover closed when the ports are not in use to protect them from dust and moisture.
- **Environmental Conditions:** While designed for automotive use, avoid exposing the charger to extreme water or harsh weather conditions.
- **Cable Inspection:** Periodically check charging cables for any signs of wear or damage. Replace damaged cables immediately.

5. TROUBLESHOOTING

- **Charger Not Powering On:**
 - Ensure the vehicle's ignition is on (if required by your vehicle's wiring).
 - Check the ON/OFF switch to ensure it is pressed to the 'ON' position.

- Verify that the red and black wires are correctly connected to the positive and negative terminals, respectively.
 - Check the vehicle's fuse for the circuit the charger is connected to. Replace if blown.
- **Device Not Charging / Slow Charging:**
 - Ensure the charging cable is securely connected to both the charger and your device.
 - Try a different charging cable to rule out cable issues.
 - Confirm your device supports PD (for USB-C) or QC3.0 (for USB-A) for fast charging.
 - If charging multiple devices, note that total power output is shared.
 - Check the digital display for output voltage and current. If values are unexpectedly low, there might be an issue with the power source or the device being charged.
- **Inaccurate Voltage Display:**
 - Ensure the charger is properly connected to a stable 12V/24V power source.
 - Fluctuations in vehicle battery voltage are normal, especially during engine start-up or heavy electrical load.

6. SPECIFICATIONS



Image 6.1: Physical dimensions of the Qidoe 83W PD USB C Car Charger.

Feature	Specification
Model Name	QD1009
Brand	Qidoe
Total Power Output	83 Watts (Max Combined)
USB-C Port Output	65W Power Delivery (PD3.0)
USB-A Port Output	18W Quick Charge (QC3.0)
Input Voltage	12V / 24V DC
Output Voltage (USB-C)	Up to 20 Volts DC
Output Current (Max)	4.15 A
Total USB Ports	2 (1x USB-C, 1x USB-A)
Connector Type	USB Type C, USB Type A
Mount Type	Surface Mount (Dashboard Mount)
Special Feature	Fast Charging, Digital Voltage/Current Display, ON/OFF Switch, Dustproof Cover
Compatible Devices	Laptops, Tablets, Smartphones
Included Components	1 x 65W Surface Mount USB-C Outlet
Certifications	CE, FCC
Internal Material	Plastic
Product Dimensions (approx.)	7.78 cm (L) x 5.90 cm (W) x 4.57 cm (H)
Package Dimensions	9.5 x 8.8 x 2.2 cm
Item Weight	51 grams

7. WARRANTY AND SUPPORT

The Qidoe 83W PD USB C Car Charger comes with a **one-year manufacturer's warranty**.

For any questions, technical assistance, or warranty claims, please contact Qidoe customer service directly via email. Our support team is committed to providing a satisfactory resolution as quickly as possible.

Contact Information: Please refer to the contact details provided on the product packaging or the official Qidoe website for the most up-to-date support information.

8. VEHICLE COMPATIBILITY

This charger is designed to be compatible with a wide range of 12V-24V vehicles, including:

- Cars
- Vans
- Motorhomes
- Trucks
- Buses
- Boats
- Motorcycles



Image 8.1: Examples of compatible vehicles for the Qidoe car charger.