

Overview

The LIHAN 3 USB Car Charger is a device that plugs into your vehicle's 12V or 24V DC outlet (cigarette lighter port) to provide power for charging USB devices. It features a digital voltage meter to monitor your vehicle's electrical system and three USB ports for simultaneous charging.



Features and Specifications

Physical Features

- **Connector:** Standard cigarette lighter plug.
- **USB Ports:** Three USB Type-A ports.
- **Display:** Blue LED digital screen showing voltage and charging current.
- **Enclosure:** Slim aluminum and plastic profile.
- **Dimensions:** Approximately 2.7 inches x 1.5 inches.
- **Weight:** 0.8 ounces (0.05 lbs).

Technical Specifications

- **Input Voltage:** DC 12V - 24V.
- **Total Output:** 4.8A, 36W.
- **Fast Charging:** One port supports QC3.0 (Quick Charge 3.0) technology.

- **Protections:** Short circuit, overheat, overcurrent, and overcharge protection.
- **Compatibility:** Compatible with a wide range of USB-charged devices including smartphones (iPhone, Samsung, Google Pixel, etc.), tablets, GPS units, Bluetooth speakers, and Kindle e-readers.
- **Certification:** UL listed.
- **Model Number:** LHCC1005.

Use Guide

Installation and Basic Operation

1. Ensure your vehicle is on or in accessory mode to provide power to the outlet.
2. Insert the car charger's plug firmly into your vehicle's 12V/24V DC outlet (cigarette lighter socket).
3. The blue LED display will illuminate and show your vehicle's current battery voltage (e.g., 12.6V).
4. Connect your device(s) to the USB port(s) using a standard USB charging cable.
5. The display will switch to show the real-time charging current (in Amps) for the connected device(s).

Note: The charger can remain plugged into the outlet when the vehicle is off. Its power draw is minimal.

Understanding the Display and Indicators

- **Steady Voltage Reading:** Displays the vehicle's system voltage. A normal range for a 12V system is typically between 11.5V and 14.9V when the engine is off and running, respectively.
- **Flashing Voltage Reading:** The display will flash to alert you of a potential battery or charging system issue.
 - For a 12V system: Flashes if voltage is below 11.5V or above 14.9V.
 - For a 24V system: Flashes if voltage is below 23.1V or above 27.3V.
- **Current Reading:** Shows the total charging current being delivered to the connected device(s).
- **Blue Light:** Illuminates the USB ports for easy connection in low-light conditions.

Fast Charging (QC3.0)

One of the three USB ports supports Quick Charge 3.0 technology. To use fast charging:

- Connect a device that supports QC3.0 (check your device specifications).

- Use a USB cable that supports fast charging data lines.
- The charger will automatically identify the device and provide the optimal charging current.

Charging Multiple Devices

You can charge up to three devices simultaneously. The total combined output is 4.8A. The charger intelligently distributes power based on the needs of each connected device.

Safety and Maintenance

- **Do not disassemble** the charger.
- Keep the charger and ports free from dust, liquids, and metal debris.
- The built-in protections (short circuit, overheat, overcurrent, overcharge) help safeguard your devices. If the charger becomes excessively hot, unplug it and allow it to cool.
- Use only with a 12V or 24V DC automotive outlet.
- Due to variations in cigarette socket sizes across vehicles, the charger may not sit completely flush in all sockets.

Troubleshooting

- **No display or power:** Check that the vehicle is on/accessory mode. Ensure the charger is fully inserted into the outlet. Try a different outlet in the vehicle.
- **Device not charging:** Try a different USB cable. Try a different USB port on the charger. Ensure the device is capable of charging via USB.
- **Display is flashing:** This indicates a vehicle voltage anomaly. Check your vehicle's battery and alternator. For a 12V system, a steady reading outside 11.5V-14.9V may indicate an issue.
- **Fast charging not working:** Verify your device and cable support QC3.0 fast charging. Ensure you are using the designated fast-charging port.

Warranty and Support

This product is covered by a 1-year warranty from the date of purchase.

Manufacturer: Shenzhen LIHAN Technology Co., Ltd.

For support, contact the seller through your Amazon purchase history or visit the LIHAN Store on Amazon.

Warning

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