

Alxum Q-043

Alxum 16A Tesla Mobile Charger (Model Q-043) User Manual

Model: Q-043

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Alxum 16A Tesla Mobile Charger. Please read these instructions carefully before operating the device and retain them for future reference. This Level 1 EV charger is designed for convenient home charging of Tesla vehicles.

2. SAFETY INFORMATION

Your Alxum 16A Tesla Mobile Charger is equipped with multiple safety features to ensure a secure charging experience. Adhere to all safety guidelines to prevent damage or injury.

- **Over-current Protection:** Prevents damage from excessive current flow.
- **Over-voltage Protection:** Safeguards against high voltage spikes.
- **Leakage Protection:** Detects and prevents electrical leakage.
- **Overheat Protection:** Monitors and prevents the charger from overheating.
- **Grounding Protection:** Ensures proper electrical grounding.
- **Lightning Protection:** Offers defense against lightning strikes.

The charger is designed to operate safely in extreme temperatures ranging from **-40°F to 185°F**. It features an anti-impact and anti-drop design for enhanced durability. The unit is rated **IP54** for water protection during operation and **IP66** when not in use.

Multi-factor Authentication

Safe and Reliable



Image: The Alxum Tesla Mobile Charger displaying various safety certifications (CE, FC, RoHS, UL) and icons representing protection against leakage, over-current, over-voltage, under-voltage, overheating, grounding issues, and lightning strikes.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Alxum 16A EV Charger
- 1 x User Manual
- 1 x Portable EV Bag

Image: The Alxum 16A Tesla Mobile Charger, user manual, and a portable EV bag, illustrating the complete package contents.

4. PRODUCT FEATURES

The Alxum 16A Tesla Mobile Charger offers the following features:

- **Fast and Efficient Charging:** Provides up to 3.5kW current output for Level 1 charging.

- **Versatile Compatibility:** Designed for Tesla Model 3, Model Y, Model S, Model X, and Cybertruck. Features a NEMA 5-15 plug for 110V home charging. *(Note: A Tesla to J1772 adapter is not included for other EV types.)*
- **Adjustable Current:** User-selectable current settings of 8A, 10A, 12A, or 16A.
- **Scheduled Charging:** Ability to set a charging appointment from 0 to 12 hours.
- **Durable Design:** 16.4ft cable length, anti-impact, and anti-drop construction.
- **Certified Quality:** UL, CE, FCC, RoHS safety certified.



Image: The Alxum Tesla Mobile Charger connected to a Tesla for home charging, illustrating its 16A maximum current, 3.5kW maximum power, and 110-240V voltage compatibility.

Compatible with TESLA

J1772 EV owners need an extra adapter (not included)



Image: The Alxum Tesla Mobile Charger's connector, shown to be compatible with various Tesla models including Model Y, Model X, Cybertruck, Model 3, and Model S. A note indicates that J1772 EV owners require an additional adapter.

5. SETUP

Follow these steps to set up your Alxum 16A Tesla Mobile Charger:

1. **Unpack:** Carefully remove the charger and all accessories from the packaging.
2. **Inspect:** Check the charger cable and plug for any visible damage. Do not use if damaged.
3. **Connect to Power:** Plug the NEMA 5-15 plug into a standard 110V wall outlet. Ensure the outlet is properly grounded.
4. **Prepare Vehicle:** Ensure your Tesla vehicle is parked and ready for charging.



Image: The Alxum Tesla Mobile Charger showing its NEMA 5-15 plug connected to a standard wall outlet and the charging cable inserted into a Tesla vehicle's charging port, illustrating a Level 1 charging setup.

6. OPERATING INSTRUCTIONS

Operating your Alxum 16A Tesla Mobile Charger is straightforward:

6.1 Initiating Charging

1. After plugging the charger into the wall outlet, insert the Tesla connector into your vehicle's charging port.
2. The charger's LED display will show charging status. You can also monitor the charging status via your Tesla's mobile app or in-car display.



Image: A two-step guide showing how to plug the charger into the car's charging port and then how to check the charging status using either a mobile phone application or the car's onboard computer.

6.2 Adjusting Current

The charger allows you to select the charging current:

- **Short Press:** Press the button on the charger to cycle through available current options: 8A, 10A, 12A, 16A.
- **Long Press:** Hold the button to enter setup mode for other settings.



Image: The Alxum Tesla Mobile Charger's display interface, illustrating the options for adjusting charging current (8A, 10A, 12A, 16A) and providing instructions for short-pressing to select and long-pressing for setup.

6.3 Setting Charging Appointment

You can schedule your charging time from 0 to 12 hours:

- **Short Press:** While in setup mode (activated by a long press), short press the button to select the desired delay in hours.
- **Long Press:** Hold the button to confirm the setting.



Image: The Alxum Tesla Mobile Charger's display showing options for setting a charging appointment from 0 to 12 hours, along with instructions for using short and long presses to select and confirm the desired time.

6.4 LED Indicator Lights

The LED lights on the charger indicate its status:

- **Blue Light Always On:** Ready to charge.
- **Red Light Always On:** Fault prompt (error).
- **Green Light Flashing:** Power on.
- **Green Light Meteor (flowing):** Charging in progress.
- **Green Light Always On:** Charging completed.

Image: The Alxum Tesla Mobile Charger illustrating its dynamic LED lights, which indicate various charging statuses: blue for ready, red for fault, flashing green for power on, flowing green for charging, and solid green for charging complete.

6.5 Product Demonstration Video

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Video: A demonstration of the Alxum 16A Tesla Mobile Charger, showcasing its NACS connector, connection to a Tesla vehicle, and the fast charging process. This video provides a visual guide to the product's functionality.

7. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your charger:

- **Cleaning:** Wipe the charger and cable with a dry, soft cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the charger in its portable EV bag in a dry, cool place, away from direct sunlight and extreme temperatures.
- **Inspection:** Regularly inspect the cable, plug, and connector for any signs of wear, cuts, or damage. If any damage is found, discontinue use immediately and contact support.
- **Avoid Kinks:** Do not bend or kink the cable sharply, as this can damage internal wires.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common error codes and solutions:

Error Code	Description	Possible Solution
Error 1	Over-temperature	Allow charger to cool down. Ensure adequate ventilation.
Error 2	Over-voltage or under-voltage	Check power supply voltage. Ensure it is within 110V \pm 10%.
Error 3	Over-current	Reduce selected charging current or check for vehicle fault.
Error 4	Current Leakage	Unplug immediately. Do not use. Contact support.
Error 5	Communication abnormality	Reconnect charger to vehicle. Check vehicle's charging port.
Error 6	Not grounded	Ensure power outlet is properly grounded. Try a different outlet.
Error 7	LN short circuit	Unplug immediately. Do not use. Contact support.

If the issue persists after attempting these solutions, please contact customer support.



Image: The Alxum Tesla Mobile Charger's display showing a list of error codes and their corresponding meanings, such as over-temperature,

over-voltage, over-current, current leakage, communication abnormality, not grounded, and LN short circuit.

9. SPECIFICATIONS

Feature	Specification
Brand	Alxum
Model Number	Q-043
Connector Type	NEMA 5-15 Plug (Type A - 2 pin North American)
Compatible Devices	Tesla Model 3, Model Y, Model S, Model X, Cybertruck
Input Voltage	110 Volts
Output Current	Adjustable: 8A/10A/12A/16A (Max 16 Amps)
Wattage	3.5 kWh
Cable Length	16.4 Feet
Frequency Range	50-60 Hz
Operating Temperature	-40°F to 185°F
Waterproof Rating	IP54 (working), IP66 (not working)
Certifications	UL, CE, FCC, RoHS
Enclosure Material	Plastic Or Plastic/Metal Combination
Mounting Type	Wall Mount

10. WARRANTY AND SUPPORT

Warranty: This Alxum 16A Tesla Mobile Charger comes with a **2-Year Manufacturer Warranty**.

Customer Support: For product information, after-sales support, or any inquiries regarding compatible devices, please contact us. You can reach customer service by clicking on the seller's name (Abteck) in the "Sold By" section of the product detail page on Amazon, or visit the [Alxum Store](#).



Image: Icons representing Alxum's customer service offerings, including product information, after-sales support, quantity discounts, instructions for use, and compatible device information.

