

Lucid Mobile Charging Guide North America

Version 2025.2.2 US English

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Legal and Disclaimers

Legal

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Specifications are subject to change without notice. Images of the Lucid Mobile Charging Cable are representative; production models may vary.

No portion of these materials may be duplicated, used, or disclosed without prior written permission from Lucid Group, Inc.

Disclaimers

Read this user guide before operating. This user guide includes the latest information available at the time of publishing. Lucid Group, Inc. reserves the right to make changes to this user guide and/or product without notice. Changes or modifications to this product not completed by an authorized service provider could void the product warranty.

Disclaimers

IMPORTANT SAFETY INSTRUCTIONS

This document contains important instructions and warnings that must be followed when using your **Lucid** Mobile Charging Cable.

Read and follow all instructions, warnings, dangers, and notifications before installing and using **Lucid** Mobile Charging Cable. Failure to follow these guidelines may result in death, injury, or property damage and will void product warranty.

Save these instructions pertaining to a risk of fire or electric shock.



WARNING

- Read this entire document before using the Lucid Mobile Charging Cable. Failure to do so or to follow any of the instructions or warnings in this document can result in fire, electrical shock, serious injury or death.
- 2. Use the **Lucid** Mobile Charging Cable only within the specified operating parameters.
- The Lucid Mobile Charging Cable is designed only for charging a Lucid vehicle. Do not use it for any other purpose or with any other vehicle or object. The Lucid Mobile Charging Cable is intended only for vehicles that do not require ventilation during charging.
- Do not use the Lucid Mobile Charging Cable's adapters in any outlet for which they are not designed.
- Do not use (or discontinue using) the Lucid Mobile Charging Cable if it is defective, appears cracked, frayed, broken or otherwise damaged, or fails to operate.
- Do not attempt to open, disassemble, repair, tamper with, or modify the **Lucid** Mobile Charging Cable. The **Lucid** Mobile Charging Cable is not user serviceable. Contact **Lucid** for any repairs.
- Do not use an extension cord, a multi-outlet adapter, a multi-plug, a conversion plug, or a power strip to plug in the **Lucid** Mobile Charging Cable.
- 8. Do not disconnect the **Lucid** Mobile Charging Cable from the wall outlet when the vehicle is charging.
- Do not plug the Lucid Mobile
 Charging Cable into a damaged,
 loose, or worn power outlet. Ensure

- that the prongs on the **Lucid** Mobile Charging Cable fit snugly into the wall outlet.
- Do not connect the **Lucid** Mobile Charging Cable into a power outlet that is not properly grounded.



WARNING: Do not expose the **Lucid** Mobile Charging Cable to flammable or harsh chemicals or vapors.

Do not use or store the **Lucid** Mobile Charging Cable in a recessed area or below floor level. When using the **Lucid** Mobile Charging Cable in an inside location such as a garage, position the **Lucid** Mobile Charging Cable's main controller at least 18 inches (46 cm) above the floor.

11. Do not use the **Lucid** Mobile Charging Cable when either you, the vehicle, or the **Lucid** Mobile Charging Cable is exposed to severe rain, snow, electrical storm, or other inclement weather.



WARNING: When transporting the Lucid Mobile Charging Cable, handle with care to prevent damage to any of its components. Do not subject the Lucid Mobile Charging Cable to strong force or impact. Do not pull, twist, tangle, drag or step on the Lucid Mobile Charging Cable or any of its components.

12. Protect the Lucid Mobile Charging Cable from moisture, water, and foreign objects at all times. If any exist or appear to have corroded or damaged the Lucid Mobile Charging Cable, do not use the Lucid Mobile Charging Cable.

- 13. If rain falls during charging, do not allow rain water to run along the length of charge cable, causing the electrical outlet or charging port to become wet.
- 14. Do not plug the Lucid Mobile Charging Cable into an electrical outlet that is submerged in water or covered in snow. If, in this situation, the Lucid Mobile Charging Cable is already plugged in and needs to be unplugged, turn off the breaker before unplugging the Lucid Mobile Charging Cable.
- 15. Lucid Mobile Charging Cable should be supervised when used around children.
- 16. Do not put finger into the Lucid Mobile Charging Cable.
- 17. Do not touch the Lucid Mobile Charging Cable's end terminals with sharp metallic objects, such as wire, tools, or needles. Do not forcefully fold any part of the Lucid Mobile Charging Cable or damage it with sharp objects. Do not insert foreign objects into any part of the Lucid Mobile Charging Cable.
- 18. Do not charge a vehicle that is covered with a non-Lucid approved car cover.
- 19. Ensure that the Mobile Connector's charging cable does not obstruct pedestrians or other vehicles or objects.
- 20. Use of the Mobile Connector may affect or impair the operation of medical or implantable electronic devices, such as an implantable cardiac pacemaker or an implantable cardioverter defibrillator. Before using the Mobile Connector, check with the electronic device manufacturer concerning the effects that charging may have on any such electronic device.
- 21. Do not use cleaning solvents to clean the Mobile Connector.

- 22. Do not use private power generators as a power source for charging.
- 23. Do not operate the Lucid Mobile Charging Cable in temperatures outside its operating range of -22°F to +122°F (-30°C to +50°C).
- 24. Store the Lucid Mobile Charging Cable in a clean, dry place in temperatures between -40°F and +185°F (-40°C and +85°C).

25.

A DANGER RISK OF FIRE OR EXPLOSION.

To reduce the risk of fire, connect only to a circuit provided with (+) amperes maximum branch circuit overcurrent protection in accordance with the National Electrical Code, ANSI/NFPA 70, and the Canadian Electrical Code, Part I, C22.1.

NOTE: (+) - See below table for suggested branch circuit size.

Unit Rated Current (A)	Maximum Branch Breaker Size (A)
12	20
40	50

26. The lightning flash with arrowhead within a triangle is intended to tell the user that parts inside the product are a risk of shock to persons.



SAVE THESE INSTRUCTIONS



WARNING: RISK OF ELECTRIC SHOCK.

This product must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.



WARNING: Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

MAINTENANCE INSTRUCTIONS

No maintenance required to user. All other servicing is to be performed by qualified service personnel.

MOVING AND STORAGE INSTRUCTIONS

If you do not plan to use the Mobile Charging Cable for extended periods of time (for example, going away on vacation), unplug it, and store it in an appropriate location.

Store the **Lucid** Mobile Charging Cable in a clean dry place in temperatures between -40°F and +185°F (-40°C and +85°C).

The device is not to be lifted or carried by either the flexible cord or the EV cable.

Safety Information

This guide contains instructions and warnings that must be followed when installing and using the Electric Vehicle Supply Equipment (EVSE), and should not be used for any other product. Before installing or using the EVSE, read this entire guide including the WARNING and CAUTION markings.

The information in this guide does not exempt the user from following all applicable codes or safety standards.

Compliance for Class B Digital Device

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no quarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Product Components

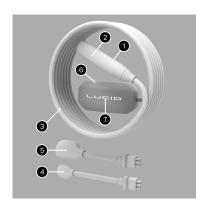
The Lucid Mobile Charging Cable consists of the following components:

- Charging Connector (Plugs into Vehicle) (J1772 / NACS)
- 2. Connector Latch Button
- 3. Connector Cable (Fixed to Control Unit)
- 4. NEMA 5-15 Adaptor (Removable, Plugs into Wall Outlet)
- 5. NEMA 14-50 Adaptor (Removable, Plugs into Wall Outlet)
- 6. Mobile Charging Control Unit
- 7. Status LED Lights

J1772 Lucid Mobile Charging Cable



NACS Lucid Mobile Charging Cable



Overview

Specifications

Use only a 120-volt, 208-volt, or 240-volt AC supply, 50/60 hertz wall outlet that has a dedicated and properly grounded circuit, and is rated for at least 15 ampere.

Whenever possible, use a dedicated receptacle with a single socket. If the receptacle has two sockets, do not plug any other items into the other socket.

The Mobile Charging Cable is 20 feet (6 meters) long. Use an existing outlet or install a new outlet within approximately 13 feet (4 meters) of the vehicle's charge port and at least 18 inches (45 centimeters) above the ground. The charge port door is located either to the rear of the driver side front wheel or above the driver side rear wheel.



A DANGER: RISK OF FIRE OR EXPLOSION



MARNING: RISK OF ELECTRIC SHOCK

Do not use extension cables, a multi-outlet adaptor, a multi-plug, a conversion plug, or a power strip. Using these items can cause damage to the equipment and increase the risk of electric shock or fire.



MARNING: RISK OF FLECTRIC SHOCK

The Lucid Mobile Charging Cable is designed only for charging a Lucid vehicle. Do not use it for any other purpose or with any other vehicle or object. Using the Lucid Mobile Charging Cable for anything other than electric vehicles can damage the equipment and increase the risk of electric shock.

Specifications Reference

Voltage	Maximum Current
100240V AC single-phase	40A max, controlled by adaptor
Grid Frequency	
$50\mathrm{Hz}/60\mathrm{Hz}$	
Mobile Charging Cable Control Box Dimensions and Weight	
Height	7.1 in /180 mm
Width	3.5 in /90 mm
Depth	2.0 in /50 mm
Weight	8.2 lbs / 3.7 Kg
Operating Temperature	Enclosure Rating
-30° C to +50° C	4x (Waterproof)
Ventilation	•

Not Required

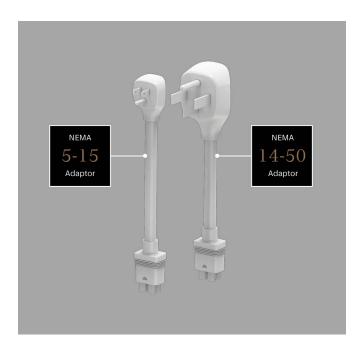
Overview



Adaptors

The Lucid Mobile Charging Cable includes two outlet adaptors: one for a standard **120-volt** household outlet and a second adaptor for a **240-volt outlet**. Additional adaptors may be available for purchase from Lucid. For faster charging, use **a 240-volt outlet**.

NOTE: Lucid's partnership with Qmerit provides customers a seamless installation experience in sourcing local electricians to support installation of outlets that our Lucid Mobile Charging Cable can utilize. To identify local electricians via our installation partner, Qmerit, visit https://qmerit.com/ev/lucidmotors/.



Use the following tables to calculate charging rates for a given adaptor.

Adaptor Type	Current	Power at 120 Volts
NEMA 5-15	12A	1.4 kW
Adaptor Type	Current	Power at 240 Volts
NEMA 14-50	40A	9.6 kW
NEMA 14-30 ¹	24A	5.7 kW

¹Available for purchase separately.

INSTALLATION INSTRUCTIONS

Connecting the Adaptor

▲ DANGER: RISK OF FIRE OR EXPLOSION

WARNING: RISK OF ELECTRIC SHOCK

Do not use if the equipment is damaged. Always inspect all parts of the equipment before installing or using. Installing or using damaged equipment can increase risk of electrical shock or fire.

CAUTION: RISK OF PERSONAL INJURY

▲ CAUTION: RISK OF DAMAGE TO THE EQUIPMENT

▲ DANGER: RISK OF FIRE OR EXPLOSION

MARNING: RISK OF ELECTRIC SHOCK

Do not use extension cables, a multioutlet adaptor, a multi-plug, a conversion plug, or a power strip. Using these items can cause damage to the equipment and increase the risk of electric shock or fire.

MARNING: RISK OF ELECTRIC SHOCK

Connect only to properly grounded outlets. Improper connection can cause electric shock and damage to the electrical outlet and equipment. Check with a licensed electrician or serviceman if there is doubt that the product is properly grounded.

Attaching

To attach an adaptor, line up the adaptor plug with the control box of the Mobile Charging Cable and push it into the

socket until flush with the control box and snugly fit.



Removing

To remove the adaptor, firmly grasp the adaptor and pull it from its socket.



NOTE: The Mobile Charging Cable automatically detects the attached adaptor and sets the appropriate charging amperage. Ensure that the plug is fully inserted into the outlet.



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Charging Times

Charging times vary based on the voltage and current available from the power outlet, subject to various conditions. Charge time also depends on ambient temperature and the vehicle's battery temperature. If the battery is not within the optimal temperature range for charging, the vehicle heats or cools the battery before or during charging.

To estimate the time needed to recharge the battery in hours (from near zero percent to near one hundred percent), divide the battery size (kWh) by power (kW). Different adaptors provide different current and power outputs.

While charging your vehicle, you can touch the Charging icon on the Infotainment screen or the Lucid App to review the charging status information, including the time remaining until fully charged at the currently selected charge level.



NOTE: An electricity relationship principle known as Ohm's Law states that a 240-volt circuit charging at 40 amperes provides 9,600 watts of power: 40 x 240 = 9,600. When expressed as kilowatts, this works out to 9.6 kW. The actual charging power can vary based on vehicle conditions such as wakeup/sleep, energy conversion efficiency, and AC/Heater ON/ OFF. Thus, it would take between 9-10 hours to charge a 90 kWh battery pack from 0% capacity to 100% capacity. (90 divided by 9.6 is roughly 9.3 hours.) Further note that, in order to avoid possible battery damage, Lucid recommends that you never fully discharge the vehicle battery.

Operating Instructions

The unit is to be properly assembled in accordance with the Installation Instructions before it is used.

Charging the Vehicle

▲ DANGER: RISK OF FIRE OR EXPLOSION

▲ WARNING: RISK OF ELECTRIC SHOCK

Do not use if the equipment is damaged. Always inspect all parts of the equipment before installing or using. Installing or using damaged equipment can increase risk of electrical shock or fire.

CAUTION: RISK OF PERSONAL

A CAUTION: RISK OF DAMAGE TO THE FOUIPMENT

Always store the equipment properly and only use the equipment within the scope of service conditions. Misuse such as dropping, immersion, etc., may cause damage and could result in injury or death to anyone nearby.

Plugging In

Follow these steps to ensure proper charging of your Lucid vehicle.

▲ DANGER: RISK OF FIRE OR FXPLOSION

▲ WARNING: RISK OF ELECTRIC SHOCK

Do not use extension cables, a multioutlet adaptor, a multi-plug, a conversion plug, or a power strip. Using these items can cause damage to the equipment and increase the risk of electric shock or fire. WARNING: RISK OF ELECTRIC SHOCK

Connect only to properly grounded outlets. Improper connection can cause electric shock and damage to the electrical outlet and equipment. Check with a licensed electrician or serviceman if there is doubt that the product is properly grounded.

- Ensure that the adaptor plugged into the Mobile Charging Cable matches the outlet you want to use.
- 2. Plug the Mobile Charging Cable plug head into the power outlet. The adaptor should be inserted completely into the power outlet. The Lucid logo on the control box should light up with a white light to indicate the unit is powered and ready. Wait 3 seconds to confirm the logo does not begin flashing red. If it remains white, proceed to Step 3.
- 3. With your vehicle unlocked, press the charge port door to open it.
- Plug the Mobile Charging Cable Vehicle Connector into your vehicle's charge port.
- When you plug the Mobile
 Charging Cable into your vehicle,
 the Lucid logo on the control box
 and the charge port light will pulse white to indicate charging.

Unplugging

When charging is complete, the light stops pulsing and turns solid white. You can then safely unplug the vehicle using these steps.

 With the vehicle unlocked, press the Connector Latch Button and then pull the Connector out of the charge port.

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2. Lucid recommends leaving the Mobile Charging Cable plugged into the wall outlet to reduce wear and tear from daily use. If you do not plan to use the Mobile Charging Cable for extended periods of time (for example, going away on vacation), unplug it, and store it in an appropriate location.

Mobile Charging Cable Status Lights

The Mobile Charging Cable Control Box includes lights that indicate device status. Refer to the following table to understand device status.



▲ WARNING: RISK OF ELECTRIC SHOCK

Do not service and/or open the equipment. Opening the equipment can cause electrical shock.

Light Color	Light Animation	What it Means	Troubleshooting Steps
No Light	_	Power off	Check power supply
White	Constant	Ready to charge/ communicating	_
White	Flashing	Charging in progress	_
Red	One flash	GFCI fault	Unplug and then plug the charging cable into a power outlet. Try a different outlet.
Red	Two flashes	Relay error	Unplug and then plug the charging cable into a power outlet.
Red	Three flashes	Loss of ground	Check if correct plug is used and if plugs are fully inserted. Try a different outlet.
Red	Four flashes	Overtemperature detected in plug	Check if plugs are fully inserted. Try charging in a cooler area.
Red	Five flashes	Overtemperature detected in EVSE relay	Unplug and then plug the charging cable into a power outlet.
Red	Six flashes	Pilot signal error	Unplug and then plug into power outlet. Ensure vehicle software is up-to- date.
Red	Seven flashes	Undervoltage error	Unplug and then plug the charging cable into a power outlet. Try a different outlet.
Red	Eight flashes	Overvoltage error	Unplug and then plug the charging cable into a power outlet. Try a different outlet.

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Light Color	Light Animation	What it Means	Troubleshooting Steps
Red	Nine flashes	Internal error	Unplug and then plug the charging cable into a power outlet. Try a different outlet.

Charging 15

Warranty Information

Lucid's Genuine Spare Parts and Accessories Limited Warranty terms can be found here: https://lucidmotors.com/ legal#warranty

To obtain a copy of the Lucid Genuine Spare Parts and Accessories Limited Warranty by mail (US only), send a written request to:

Attn: Warranty Services

7373 Gateway Blvd

Newark, CA 94560

USA



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Technical Support

Installation

For home charging installation inquiries: https://qmerit.com/ev/lucidmotors/

Contact Information

Questions or feedback about the Lucid Mobile Charging Cable? 24/7 Customer Care:

1-888-99-LUCID (1-888-995-8243) — or — customercare@lucidmotors.com

Customer Care

Lucid Motors

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Newark, CA 94560

USA

Phone: 1-888-99-LUCID (1-888-995-8243)

E-mail: customercare@lucidmotors.com

Website: www.lucidmotors.com

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