



# LENZ™

CHARGING SOLUTION

## NEMA Adapter Cables for Gen 2 Tesla Mobile Connector

User Manual & Installation Guide  
All Model Numbers with prefix NEMA-TS



5-15



5-20



6-15



6-20



14-30



14-50



6-50



Includes IMPORTANT SAFETY INFORMATION. Read thoroughly before use.

# 1. Safety Information

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Ensure that the adapter conforms to the household outlet(s) you intend to use for charging. Please note LENZ adapters with model numbers with prefix of “NEMA-TS” designed exclusively to be used with Tesla Gen 2 Mobile Connector and are **NOT** compatible with Gen 1 Mobile Connectors. Attempting to use with Gen 1 Mobile Connectors can result in a fire, resulting in personal injury and/or property damage.

Regularly inspect both the adapter and charging/connector ports to identify any accumulated dirt or debris. When dirt or debris enters the connection ports, there is a risk of overheating.

**DO NOT** continue use if you observe any damage to connector ports or pins.

**DO NOT** insert foreign objects into the port as this can cause damage and pose a safety hazard.

**ALWAYS** utilize a connector that is UL / ETL / SGS certified. This certification guarantees that the connector conforms to rigorous safety and quality standards.

## 2. Warnings

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Thoroughly read this manual before using the LENZ Charging Solutions adapter. Disregarding the instructions or neglecting the provided warnings detailed in this document may lead to serious hazards, including fire, electrical shock, or severe injury.



Under no circumstance should you attempt to open, disassemble, repair, tamper with, or modify the LENZ Charging Solutions adapter. Engaging in such actions not only risks damaging the device but also increases the risk of electric shock or other harmful consequences.



Avoid exposing the adapter to moisture or high temperatures. Subjecting the adapter to these conditions may lead to performance degradation, physical damage, and additional safety concerns.



**BEFORE EACH USE**, inspect both adapter and charging ports to identify any presence of dirt or debris. Adapter and charging port connectors must be clean for safe usage and charging. **DO NOT** use if either the adapter or the charging ports are damaged.

## 2. Compatibility

Gen 2 Mobile Connector by Tesla  
(NOT compatible with Gen 1 Mobile Connector)

## 3. What's in the box?

1x LENZ NEMA Adapter

Reference: NEMA Plug Type Gallery



## 4. Your adapter



- 1 Wall Plug (varies by model)
- 2 Connector to Tesla Gen 2 Mob Connector

## 5. Specifications

Input Voltage :	120/240 VAC
Output:	Varies by Model
Operating Temperature:	-22°F to 122°F (-30°C to 50°C)
Compatibility:	Gen 2 Mobile Connector for Tesla
Charging Port:	Tesla
Weight:	Varies by Model
Length:	Varies by Model
IP/NEMA Rating:	IP 54
Certification:	UL 817 and CSA C22.2 No. 21 (Intertek Listed)

## 5. Usage Guide

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### Step 1: Attach LENZ NEMA Adapter to Mobile Connector Controller

- Push into Mobile Connector socket until adapter snaps into place

### Step 2: Plug NEMA Adapter to matching wall receptacle

- **DO NOT** use power outlet or receptacle that is broken, loose, unstable, and/or otherwise not firmly secured to the wall or power box.
- The NEMA Adapter plug **MUST** be completely inserted into the power outlet. An incomplete connection can interfere with the performance of the adapter or mobile connector and may pose a safety hazard.

### Step 3: Connect Mobile Connector handle to your Tesla's charge port

- Your vehicle must be unlocked for charge port door to open. Pressing button on top of Mobile Connector handle opens charge port door.

### Step 4: Confirm Tesla vehicle's indicator turns green

### Step 5: To Unplug

- Press the Mobile Connector handle button until charge port light turns white.
- Unplug Mobile Connector handle from charge port.

## 6. Reference

### Estimated Maximum Range per Hour of Charging by Adapter Plug Type

MODEL	CHARGE RANGE PER HOUR
5-15	2 to 3 mi
5-20	3 to 4 mi
6-15	5 to 11 mi
6-20	8 to 15 mi
6-50	20 to 30 mi
10-30	14 to 22 mi
14-30	14 to 22 mi
14-50	20 to 30 mi

### IMPORANT INFORMATION Temperature and Self-Adjusting Safety Feature

It is normal for the cable temperature to rise during charging, particularly during summer when the ambient temperature is high. This is true of all NEMA adapters (including OE adapters). Also, a reduction of charge strength to 16 Amp and/or charging deactivation is a safety feature built into Tesla's onboard system. A built-in sensor in our NEMA adapter (and all OE adapters) communicates the operating temperature to your vehicle; and, in turn, your vehicle adjusts the charge strength and/or temporarily deactivates the charge when maximum operating temperature of 50 C (122 F) is reached.

## 7. Warranty & Support

Scan the QR code to extend your warranty by 6 months, receive critical updates, and take advantage of special offers.



### **Disclaimer**

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