Tera EV-W01-BU-AM_US

Tera EV Charger W01 User Manual

Model: EV-W01-BU-AM_US

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Tera EV Charger W01. Please read this manual thoroughly before installation and use, and retain it for future reference. The Tera EV Charger W01 is a Level 2 electric vehicle supply equipment (EVSE) designed for home use, compatible with both J1772 and Tesla electric vehicles (with the included adapter).

2. SAFETY INFORMATION

Your Tera EV Charger W01 is designed with multiple safety features and is ETL certified, ensuring compliance with North American safety standards. Always adhere to the following safety guidelines:

- Ensure professional installation by a qualified electrician to meet all local electrical codes and regulations.
- Do not attempt to open, disassemble, or modify the charger unit.
- Avoid exposing the charger to extreme physical impact or damage.
- Keep children and pets away from the charging area during operation.
- In case of any malfunction or damage, disconnect power immediately and contact customer support.
- The charger features Overvoltage Protection, Undervoltage Protection, Overload Protection, Overtemperature Protection, Ground Protection, Earth Leakage Protection, and Short Circuit Protection.
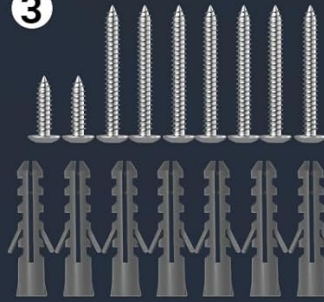
Package Includes

1. User Manual
2. Mounting Plate
3. Screws Set
4. Tools
5. J1772 to Tesla Adapter with Lock
6. Cable Holder for Tesla

Tera

Image: The Tera EV Charger highlights its safety features including overvoltage, undervoltage, overload, overtemperature, ground, earth leakage, and short circuit protection, along with FCC, ETL, TUV SUD, and CE certifications.
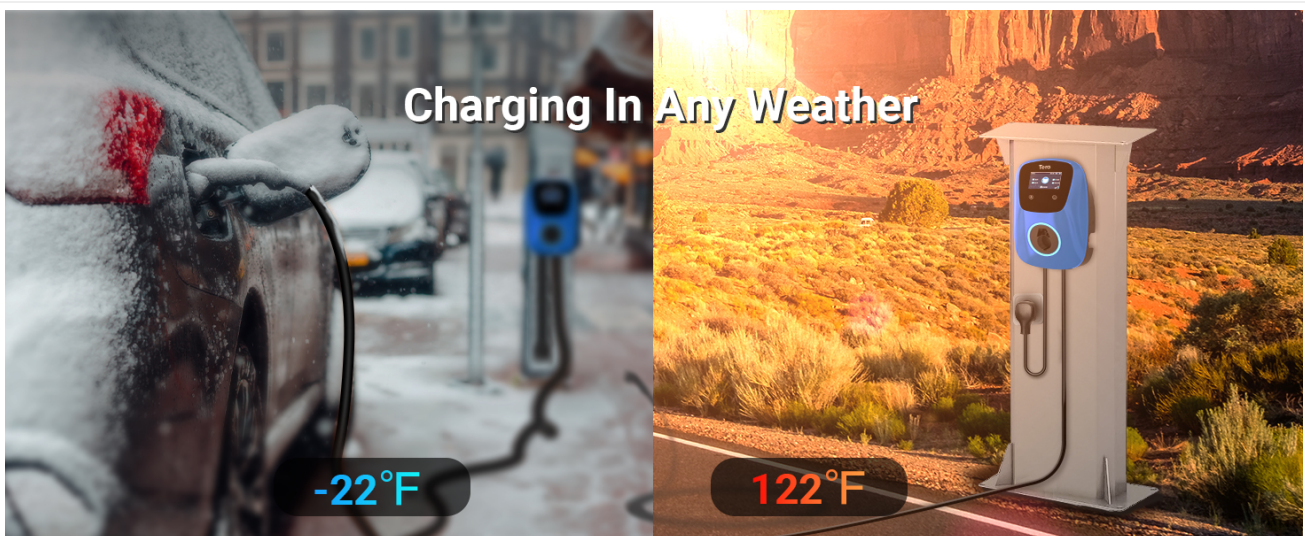
Charging In Any Weather

-22°F

122°F

Image: ETL certification is a stringent U.S. certification required for valid insurance coverage, ensuring the product meets safety standards.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

1. Tera EV Charger Unit
2. User Manual
3. Mounting Plate
4. Screws Set
5. Tools (Hex Key)
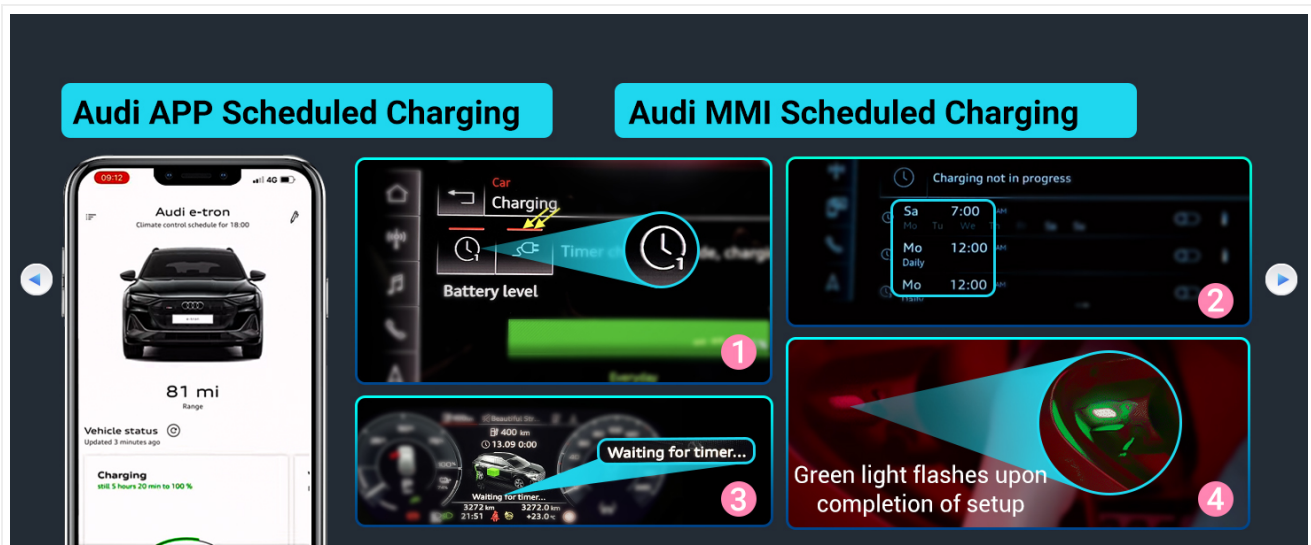6. J1772 to Tesla Adapter with Lock
7. Cable Holder for Tesla

Image: The package includes the Tera EV Charger, user manual, mounting plate, screw set, tools, J1772 to Tesla adapter with lock, and a cable holder for Tesla vehicles.

4. SETUP AND INSTALLATION

The Tera EV Charger W01 is designed for wall-mounted installation. Professional installation by a certified electrician is highly recommended to ensure safety and compliance with local electrical codes.

4.1 Mounting the Charger

1. Unscrew the back plate from the charger unit using the provided tool.
2. Secure the mounting plate to the wall at the desired location using the screws and anchors. Ensure the location is suitable for a NEMA 14-50 outlet and within reach of your vehicle's charging port.
3. Place the charger unit onto the mounted plate.
4. Assemble the anti-theft screw to secure the charger to the mounting plate.
5. Connect the NEMA 14-50 plug to a dedicated 240V NEMA 14-50 outlet.

Image: Visual steps for mounting the charger: unscrew with tool, screw plate to wall, place charger on plate, assemble anti-theft screw, and finish installation.

5. OPERATING INSTRUCTIONS

The Tera EV Charger W01 offers both manual touch screen control and smart app control for managing your charging sessions.

5.1 Manual Touch Screen Control

The charger features a touch screen display for direct control over charging parameters.

- **Current Adjustment:** You can manually adjust the charging current to 24A, 32A, 40A, or 48A directly on the unit's touch screen.
- **Schedule Charging:** Set a delayed charging schedule from 1 to 12 hours using the touch screen.
- **Important Note:** To initiate a manual scheduled charge, configure the charging current and schedule on the unit **before** connecting the charging cable to your vehicle. Plugging it in first will activate plug-and-play mode.
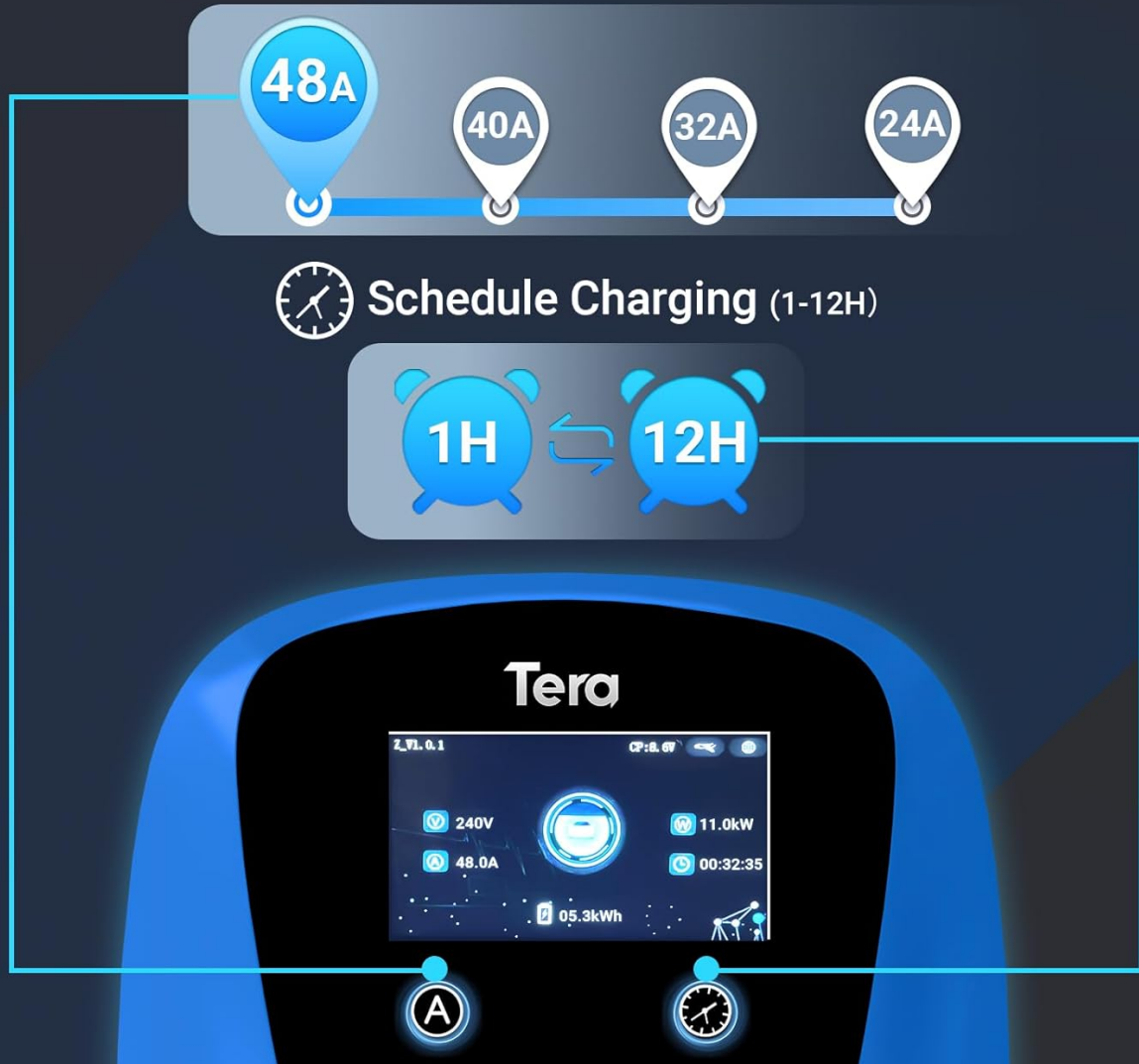
Image: The charger's touch screen allows for manual adjustment of charging current and setting a charging schedule.
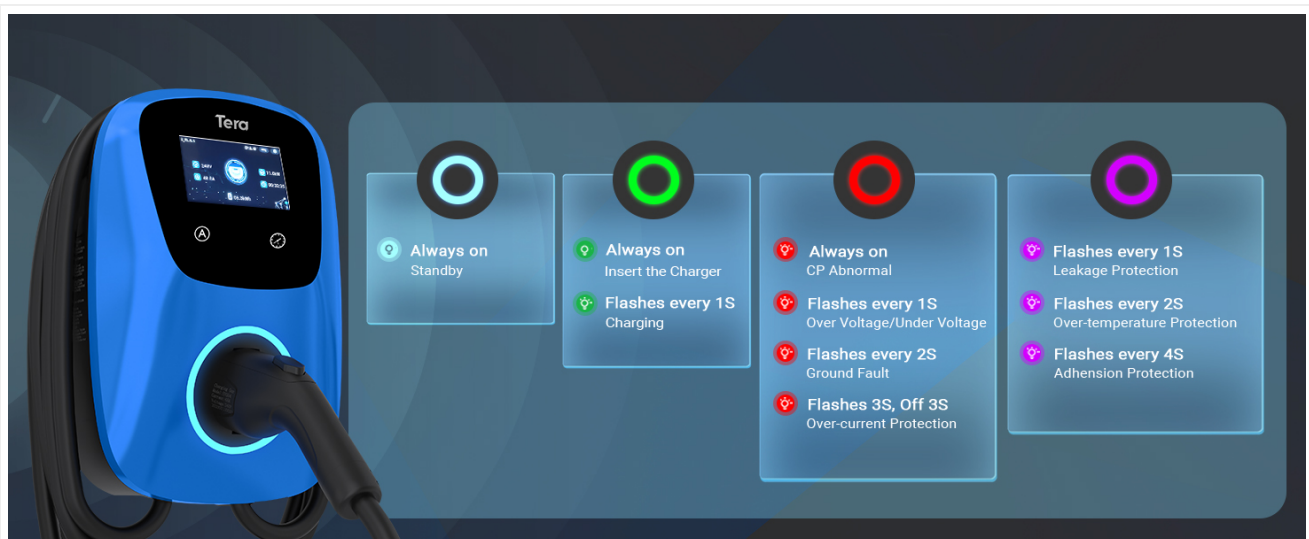

Image: Detailed view of the touch screen interface for adjusting current and setting charge schedules.

5.2 Smart App Control

Manage your charging sessions remotely using the Smart Life app.

1. **Download the App:** Search for "Smart Life" in your device's app store, download, and register an account.
2. **Add Device:** In the app, click "Add Device" to initiate device discovery. Wait for the Tera EV Charger to be detected and added. Ensure your phone is on 2.4G WiFi, and both Bluetooth and location services are enabled.
3. **Charging Modes:** Once connected, you can select between "RealTime charging" (plug & play) or "Delayed charging" (scheduled charging). For delayed charging, you can set a delay from 1 to 12 hours.
4. **Adjust Current:** Within the app settings, you can adjust the charging current to your desired level.
5. **Remote Control:** The app allows you to start/stop charging, adjust current, set schedules, and monitor charging status remotely.

Your browser does not support the video tag.

Video: This video provides a detailed guide on how to use the Smart Life app to control your Tera EV Charger, including adding the device, selecting charging modes, and adjusting settings.

Image: The Smart Life app interface allows for comprehensive control and monitoring of your EV charging sessions.
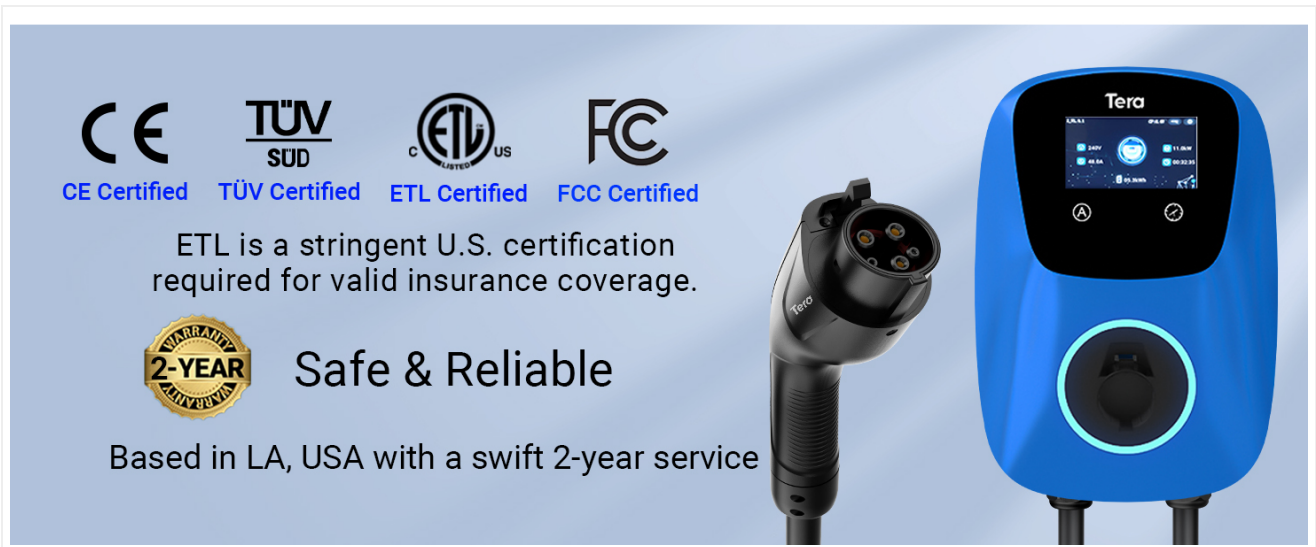
CE Certified TÜV Certified ETL Certified FCC Certified

ETL is a stringent U.S. certification required for valid insurance coverage.

2-YEAR Safe & Reliable

Based in LA, USA with a swift 2-year service

Image: Optimize charging costs by scheduling sessions during off-peak hours using the app.

5.3 Connecting to Your Electric Vehicle

The Tera EV Charger W01 is compatible with both J1772 and Tesla vehicles.

- For J1772 compatible EVs, simply plug the J1772 connector into your vehicle's charging port.
- For Tesla vehicles, attach the provided J1772 to Tesla adapter to the charger's J1772 connector, then plug the adapter into your Tesla's charging port.

Your browser does not support the video tag.

Video: This video demonstrates the process of connecting the Tera EV Charger to a Tesla vehicle using the provided adapter, highlighting the ease of use and compatibility.

Image: The Tera EV Charger is fully compatible with Tesla and J1772 EVs, ensuring seamless charging for a wide range of electric vehicles.
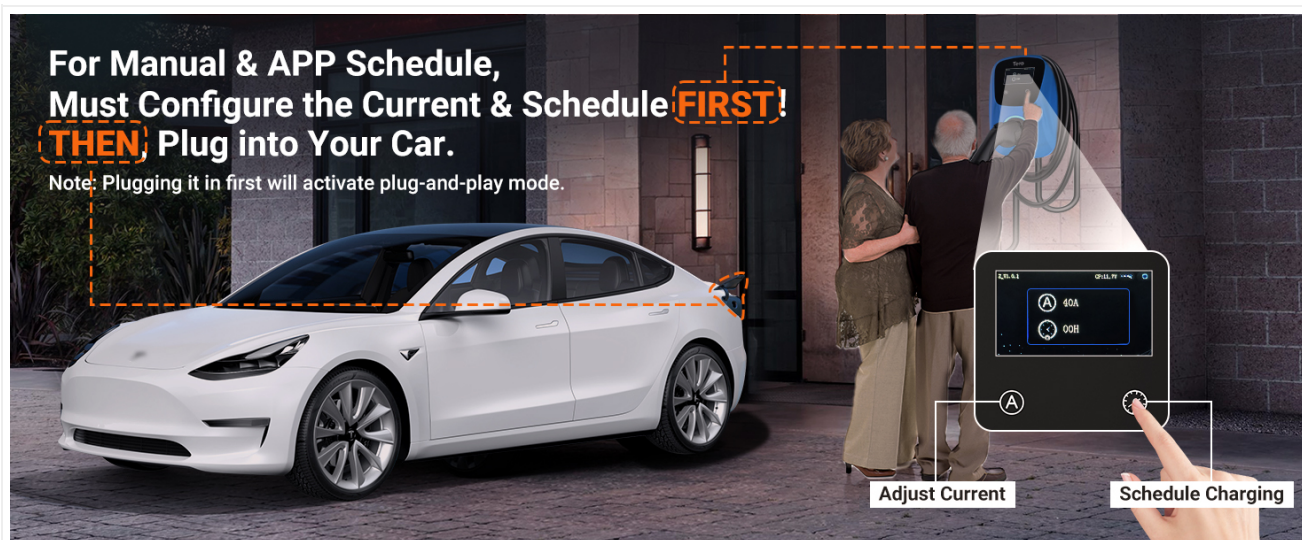

Image: Always configure the current and schedule settings on the charger or app before plugging into your car to ensure proper operation of scheduled charging.

6. FEATURES

The Tera EV Charger W01 is equipped with advanced features for a superior charging experience.

- **9X Fast Charging & Adjustable Current:** Experience rapid charging speeds with an adjustable output of up to 48A, delivering up to 46 miles of range per hour. This ensures less waiting time and more driving time.
- **IP65 Rated Durable Performance:** The charger boasts an IP65 rating, providing robust protection against dust and water. It is designed to operate reliably in various weather conditions, from -22°F to 122°F, making it suitable for year-round outdoor use.
- **Universal Compatibility:** Engineered for perfect compatibility with a wide range of electric vehicles, including Tesla models (S, 3, X, Y) and all J1772 EVs.
- **25 ft Ultra-Long Cable:** The generous 25-foot cable allows for flexible placement and convenient charging of your EV in various locations.

Image: The Tera EV Charger provides 9X faster charging, delivering up to 46 miles per hour at 240V and 48A.

IP65 Waterproof and Dustproof
or All Weather Worry-free Charging

IP65

Image: The IP65 rating ensures the charger is waterproof and dustproof, suitable for all-weather outdoor use.

Your browser does not support the video tag.

Video: This video demonstrates the Tera EV Charger's waterproof capabilities, showing it being sprayed with water while operating, confirming its IP65 rating for all-weather use.

Image: The charger is built to withstand extreme temperatures, functioning reliably from -22°F to 122°F.

Image: The 25 ft cable provides extended reach, and the charger is compatible with a wide range of EV brands.

7. SPECIFICATIONS

Specification	Value
Brand	Tera
Model Number	EV-W01-BU-AM_US
Item Weight	20 pounds
Product Dimensions	22 x 15 x 11 inches
Amperage	48 Amps (Adjustable)
Wattage	11520 watts
Output Voltage	240 Volts (AC)

Specification	Value
Special Features	For Tesla and J1772 EVs, Manual & App Schedule
Ingress Protection (IP) Rating	IP65
Certifications	ETL, FCC, TUV SUD, CE

8. TROUBLESHOOTING

If you encounter issues with your Tera EV Charger, refer to the following common indicators and solutions:

8.1 Status Indicators

The LED indicator on the charger provides visual feedback on its status:

- **Blue (Always on):** Standby mode.
- **Green (Always on):** Charger inserted.
- **Green (Flashes every 1S):** Charging in progress.
- **Red (Always on):** CP Abnormal.
- **Red (Flashes every 1S):** Over/Undervoltage Protection.
- **Red (Flashes every 2S):** Ground Fault.
- **Red (Flashes 3S, Off 3S):** Over-current Protection.
- **Purple (Flashes every 1S):** Leakage Protection.
- **Purple (Flashes every 2S):** Over-temperature Protection.
- **Purple (Flashes every 4S):** Adhesion Protection.

Image: LED indicator guide for understanding charger status and error codes.

8.2 General Troubleshooting Tips

- **Charger not turning on:** Ensure the NEMA 14-50 plug is fully inserted into the outlet and the circuit breaker is on.
- **Charging not starting:** Verify the charging cable is securely connected to both the charger and the vehicle. Check the app or touch screen for any error messages or if a schedule is preventing immediate charging.
- **Slow charging:** Confirm the current setting on the charger or app is set to the desired amperage. Note that hybrid vehicles may automatically reduce charging current.
- **App connectivity issues:** Ensure your phone's Bluetooth and location services are enabled, and it is connected to a 2.4G WiFi network. Restart the app and the charger if necessary.

9. Maintenance

To ensure the longevity and optimal performance of your Tera EV Charger W01, follow these maintenance guidelines:

- Regularly inspect the charging cable and connector for any signs of wear, damage, or fraying. Do not use if damaged.
- Keep the charger unit clean by wiping it with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- Ensure the charging port on your vehicle is clean and free of debris before connecting the charger.
- Store the charging cable properly using the provided cable holder when not in use to prevent tangling or damage.

10. Warranty and Support

The Tera EV Charger W01 comes with a **2-year warranty**. For technical support, warranty claims, or any questions regarding your product, please contact Tera customer service through the official channels provided at the time of purchase or on the Tera brand website.
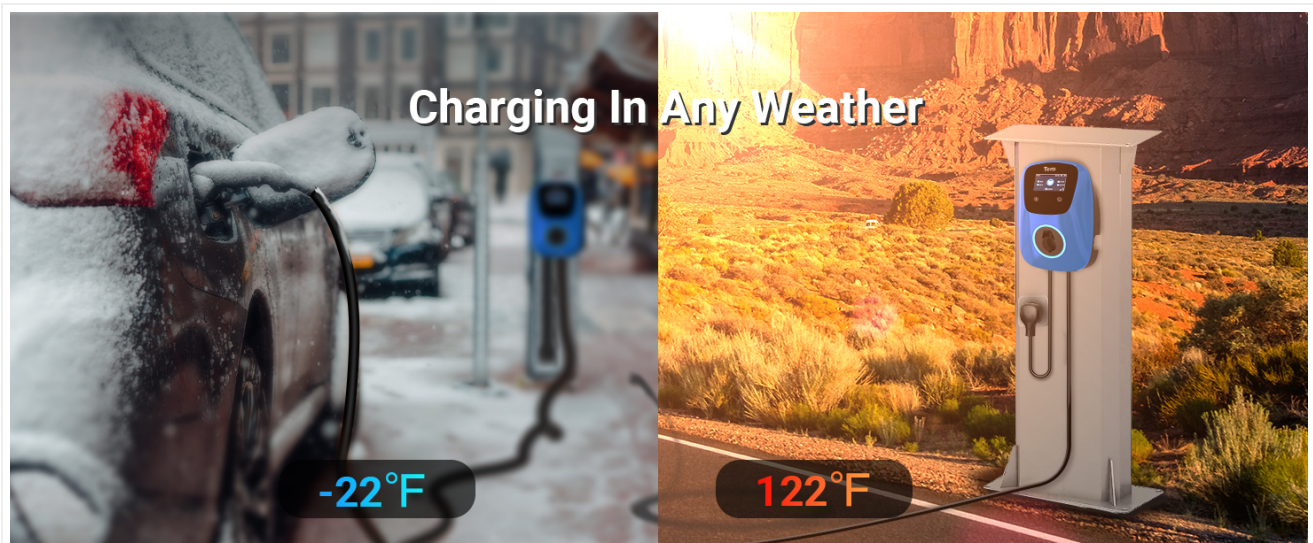

Image: Tera offers a 2-year warranty and is a US-based brand providing dedicated customer service.