**EVDANCE EV-ACS1602U**

# EVDANCE EV Charger Level 1/2 Instruction Manual

Model: EV-ACS1602U

## 1. Introduction and Overview

The EVDANCE 16Amp Level 1 & Level 2 EV Charger is designed to provide efficient and safe charging for your electric vehicle. It is compatible with J1772 electric vehicles and plug-in hybrid vehicles (North American Standard). This charger offers superior performance, being up to 4 times faster than other 8A Level 1 EV chargers. (Note: Tesla vehicles require a separate SAE J1772 adapter, not included).

The charger features an intuitive LED display that provides real-time status updates and indicates any errors during the charging process. Its robust construction utilizes high-grade, rugged materials, ensuring durability. The intelligent chip within the control box continuously monitors charging status, and the unit boasts an IP66 waterproof rating and UL94V-0 fire rating for enhanced safety.

Designed for convenience, this portable charger includes both NEMA 6-20 (220V or 240V) and NEMA 5-15 (110V) plugs, offering flexible usage options. The generous 25-foot cable length allows for versatile placement in your garage or driveway. A dedicated carrying bag is also included for easy transport and storage.

EVDANCE stands behind its product with a one-year warranty. For any concerns or issues, please refer to the troubleshooting section or contact customer support.

## 2. Setup

Setting up your EVDANCE EV Charger is a straightforward process. Follow these four steps to begin charging:

1. **Insert the EV charger's plug into the wall outlet.**Ensure the outlet is properly grounded. The charger supports both NEMA 5-15 (110V) and NEMA 6-20 (220V/240V) outlets.

2. **Hold the 'A' button for 3 seconds to adjust the charging current.** This allows you to select the desired amperage (6A, 8A, 10A, 12A, or 16A) based on your vehicle's needs and the outlet's capacity. When using a NEMA 5-15 outlet, the current can be adjusted to a maximum of 12A.
3. **Click the 'A' button to select the charging current and wait for 5 seconds for the setting to apply.**
4. **Plug the charger connector into the vehicle's charging port to start charging.**




Image: Four steps illustrating the charging process, from plugging into the wall to connecting to the vehicle and adjusting current.

# 3. Operating Instructions

## Adjustable Current

The EVDANCE EV Charger allows for flexible current adjustment to match your wall circuit and avoid disrupting other devices. You can fine-tune the current output to optimize charging speed and safety. The display shows the current, voltage, power, charging time, and electricity consumption.




Image: The charger's display showing adjustable current settings and a table indicating miles per hour charged at different amperages (6A, 8A, 10A, 12A, 16A).

## LED Status Description

The LED indicator on the charger provides clear visual cues about its operating status:

- **Flashing Green:** Charging is in progress.
- **Flashing Blue:** EV is connected and awaiting charge.
- **Flashing Red:** Ground fault detected.
- **Solid Green:** Fully charged.
- **Solid Blue:** Standing by (charger is powered on but not actively charging).
- **Solid Red:** General fault.




Image: A close-up of the charger's LED indicator with a detailed legend explaining the meaning of flashing and solid light colors (Green, Blue, Red).

## Vehicle Compatibility

The EVDANCE EV Charger is compatible with all J1772 EV/PHEVs, which is the North American standard for electric vehicle charging. This includes popular brands such as Ford, Chevrolet, Hyundai, Audi, Nissan, Fiat, Rivian, Kia, and Volvo.

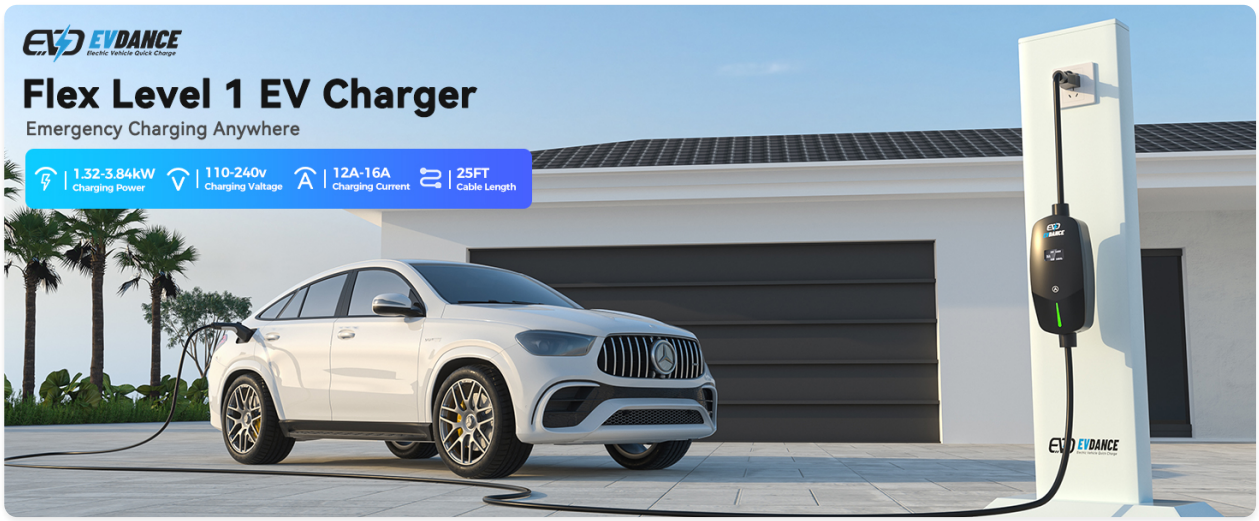



Image: A person plugging the J1772 connector into an EV, with a graphic showing various compatible car brands.

For Tesla owners, a separate J1772 to Tesla adapter is required as the charger uses the J1772 standard. This adapter is not included with the charger.

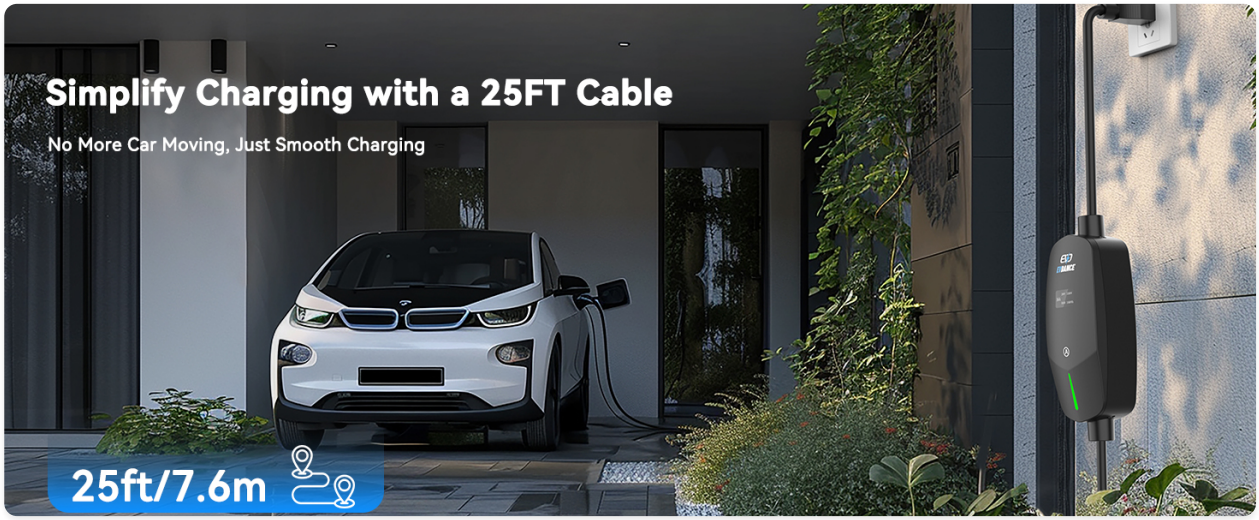



Image: Illustration showing the need for a J1772 to Tesla adapter to charge Tesla models (Model S, 3, Y, X, Cybertruck) with this charger.

## 4. Maintenance

The EVDANCE EV Charger is constructed with high-quality, durable materials designed for longevity and reliable performance. Its IP66 waterproof and dustproof rating ensures protection against environmental elements, making it suitable for outdoor use.




Image: The EV charger being used outdoors in rainy conditions, highlighting its IP66 waterproof and dustproof features.

The charger is also designed for winter-ready charging, providing steady power even in freezing cold conditions.




Image: An EV being charged in a snowy environment, demonstrating the charger's ability to function in cold weather.

To ensure optimal performance and safety, regularly inspect the charging cable and connectors for any signs of wear, damage, or debris. Keep the unit clean and free from obstructions. Avoid exposing the charger to severe rain, snow, or other inclement weather for prolonged periods, despite its waterproof rating, to maximize its lifespan.

## 5. Troubleshooting

If you encounter issues with your EVDANCE EV Charger, the LED status indicator can help diagnose the problem. Refer to the LED Status Description in the Operating Instructions section for detailed meanings of the light patterns.

- **If the LED is Flashing Red (Ground Fault):** Ensure the wall outlet is properly grounded. Do not use the charger if the outlet is not properly grounded.
- **If the LED is Solid Red (General Fault):** This indicates a general error. Check for any visible damage to the charger, cable, or plugs. Ensure all connections are secure. Try unplugging the charger from both the wall and the vehicle, waiting a few minutes, and then reconnecting.
- **No Lights/No Power:** Verify that the wall outlet has power. Check the circuit breaker. Ensure the charger's plug is fully inserted into the outlet.
- **Charging Not Starting:** Ensure the charger is properly connected to both the wall and the vehicle. Check the vehicle's charging settings. If the LED is solid blue, the charger is in standby mode; ensure the vehicle is ready to accept a charge.

**Safety Warnings:**

- Do not use the EV charger if it is defective, appears cracked, frayed, broken, or otherwise damaged.
- Do not attempt to open, disassemble, repair, tamper with, or modify the charger.
- Do not touch the EV charger's end terminals with sharp metallic objects.
- Do not forcefully fold any part of the EV charger or damage it with heavy objects.
- Do not insert foreign objects into any part of the EV charger.

## 6. Specifications

| Feature | Detail |
| --- | --- |
| Brand | EVDANCE |
| Model | Level 1/2 Adjustable Electric Vehicle Charger |
| Item Model Number | EV-ACS1602U |
| Input Voltage | 110V-240V AC Single-phase |
| Rated Current | 16A Max (Adjustable: 6A/8A/10A/12A/16A) |
| Operating Temperature | -22°F to 122°F (-30°C to 50°C) |

| | |
|---|---|
| IP Rating | IP66 |
| Item Weight | 7 pounds |
| Product Dimensions | 25 x 3.5 x 8 inches |
| Special Features | Portable Charging |

## 7. What's in the Box

Your EVDANCE EV Charger package includes the following items:

- 1x Level 1/2 16A Portable EV Charger
- 1x User Manual
- 1x NEMA 6-20 to 5-15 Adapter
- 1x Carrying Bag




Image: A visual representation of the items included in the package: the portable EV charger, user manual, NEMA 6-20 to 5-15 adapter, and carrying bag.

## 8. Warranty and Support

This EVDANCE electric vehicle charger comes with a one-year warranty from the date of purchase. If you experience any issues or feel that the product does not meet your expectations, please do not hesitate to contact EVDANCE customer support. We are committed to resolving any problems you may encounter and ensuring your satisfaction.

For support, please refer to the contact information provided on the product packaging or the official EVDANCE website.