EVDANCE EV-ACS1601U

EVDANCE Level 1/2 Portable EV Charger Instruction Manual

Model: EV-ACS1601U

1. Introduction

This manual provides essential information for the safe and efficient use of your EVDANCE Level 1/2 Portable EV Charger. Please read this manual thoroughly before operating the device and retain it for future reference.



Image: The EVDANCE Level 1/2 Portable EV Charger, featuring the J1772 charging connector, the control box, a NEMA 6-20 plug, and a NEMA 5-15 adapter.

2. Safety Information

Your safety is paramount. The EVDANCE EV Charger is designed with multiple protection features. Adhere to the following safety guidelines:

- Ensure the charging cable is not damaged before each use. Do not use if any part is frayed, cracked, or exposed.
- Do not attempt to open, disassemble, or modify the charger. This can lead to electric shock, fire, or damage to the unit.

- Always plug the charger into a properly grounded outlet.
- Avoid using the charger in extreme weather conditions such as heavy rain or snow, despite its IP66 rating, to prevent potential hazards.
- Keep children and pets away from the charging area during operation.
- Do not immerse the charger or its components in water.

The charger incorporates an intelligent chip providing comprehensive protection against:

- Lightning
- Leakage
- Grounding faults
- Over-voltage
- Under-voltage
- Over-charge
- Over-current
- Overheat



Image: The charger's control box, illustrating its 10 intelligent safety protection features, including IPX6 waterproof, FCC certification, grounding, lightning, overcharge, undervoltage, overvoltage, overheat, leakage, and overcurrent protection.

3. What's in the Box

Upon unpacking, verify that all items are present:

- 1x 16A Level 1/2 Portable EV Charger

- 1x NEMA 6-20P to 5-15R Adapter
- 1x Portable Bag
- 1x User Manual (this document)



Image: A visual representation of the package contents, showing the portable EV charger, NEMA 6-20 to 5-15 adapter, portable bag, and user manual, all designed for easy storage in a car's trunk.

4. Setup Instructions

Follow these steps to set up your EVDANCE EV Charger:

1. **Check Your Outlet Type:** Identify the type of electrical outlet available. The charger is compatible with NEMA 6-20 (240V) and NEMA 5-15 (120V) outlets. Use the included NEMA 6-20 to 5-15 adapter for standard 120V household outlets. Ensure your outlet is properly grounded.
2. **Connect to Power:**
    - For NEMA 5-15 (120V): Attach the NEMA 6-20 to 5-15 adapter to the charger's NEMA 6-20 plug, then insert the adapter into your 120V outlet.
    - For NEMA 6-20 (240V): Directly insert the charger's NEMA 6-20 plug into your 240V outlet.
3. **Connect to Your Vehicle:** Plug the J1772 charging connector into your electric vehicle's charging port. Ensure a secure connection.

The charger's indicator light will flash green to confirm that charging has started.



Image: A visual guide demonstrating the three simple steps to power up the charger: connecting to a NEMA 5-15 or 6-20 outlet, plugging the J1772 connector into the EV, and confirming charging via the green indicator light.

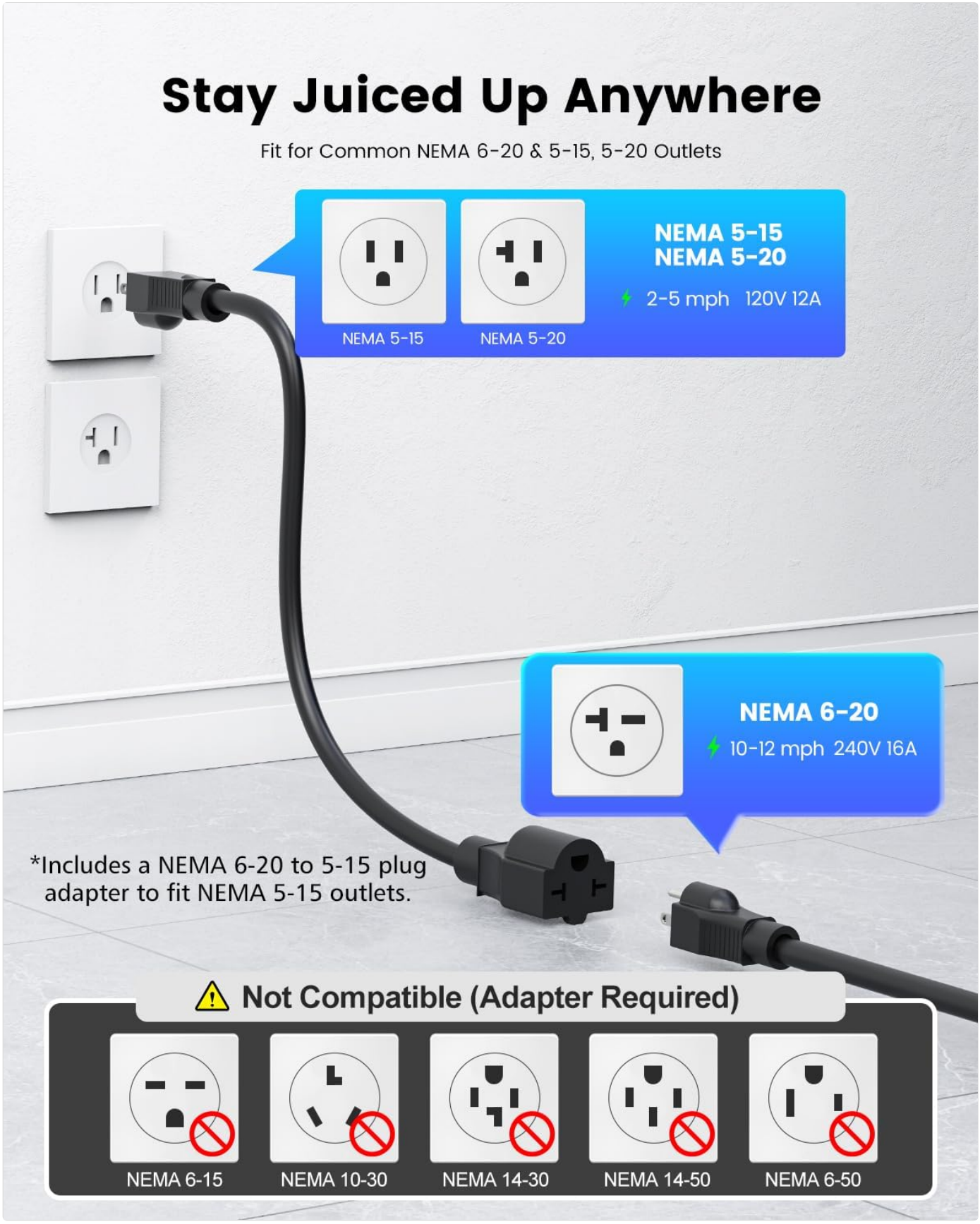


Image: An illustration detailing compatible NEMA 5-15 (120V) and NEMA 6-20 (240V) outlets, along with examples of incompatible NEMA types (6-15, 10-30, 14-30, 14-50, 6-50) that would require a separate adapter.

5. Operating Instructions

Once connected, the charger will automatically begin charging. The control box features an LED light display to indicate the charging status:

- **Charging:** Flashing green light.
- **Fully Charged:** Solid green light.
- **EV Connected:** Solid blue light.
- **Standing By:** Flashing blue light.
- **General Fault:** Flashing red light.
- **Ground Fault:** Solid red light.

The EVDANCE charger can adjust the charging current via the car end/car app settings, supporting 16A for 6-20P and 12A for 5-15P, and supports delayed charging.

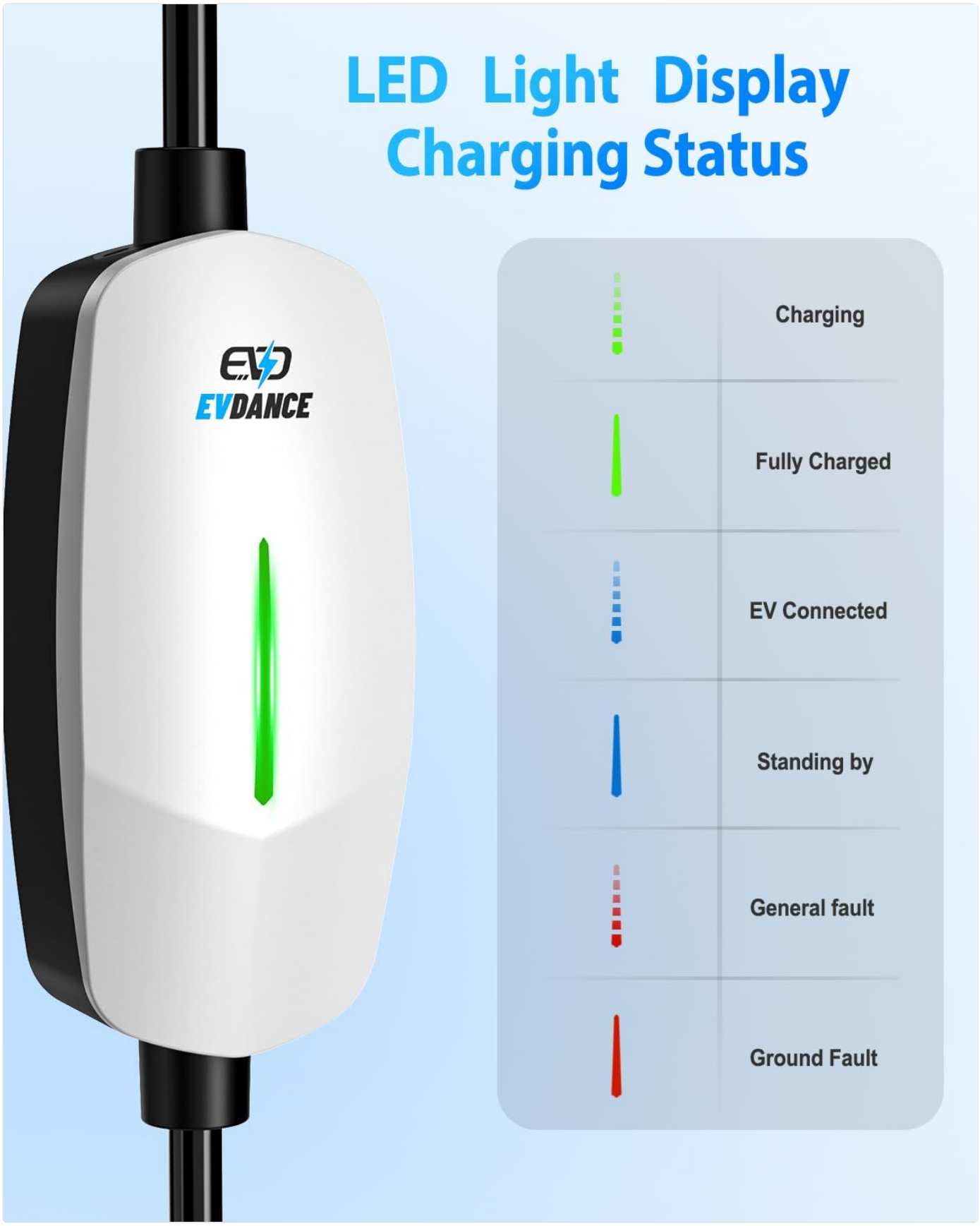


Image: The LED light display on the charger's control box, illustrating different light patterns and their corresponding charging statuses, such as charging, fully charged, EV connected, standing by, general fault, and ground fault.

6. Compatibility

The EVDANCE Level 1/2 Portable EV Charger is designed with a J1772 connector, making it compatible with most electric vehicles and plug-in hybrids that use the J1772 standard.

Compatible Brands Include: Ford, Chevrolet, Hyundai, Nissan Ariya, Kia, Rivian R1S, Audi, and many more.

Note for Tesla Owners: Tesla vehicles require a J1772 to Tesla adapter (not included) to use this charger.



Image: The J1772 charging connector inserted into an electric vehicle, accompanied by a list of major compatible EV brands and a note regarding the requirement of an adapter for Tesla vehicles.



Image: A visual explanation for Tesla owners, demonstrating how a J1772 to Tesla adapter (not included) is necessary to charge Tesla Model 3, Y, S, X, and Cybertruck vehicles with this charger.

7. Maintenance

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

- **Cleaning:** Wipe the charger and cables with a dry, clean cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the charger is unplugged before cleaning.
- **Storage:** When not in use, store the charger in its portable bag in a dry, cool place, away from direct sunlight and extreme temperatures. Avoid coiling the cable too tightly.
- **Inspection:** Regularly inspect the cable, plugs, and connector for any signs of wear, damage, or corrosion. If any damage is found, discontinue use immediately and contact customer support.

8. Troubleshooting

If you encounter issues with your EVDANCE EV Charger, refer to the LED indicator status in Section 5. Operating Instructions. Here are some common troubleshooting tips:

- **Charger Not Activating (No Lights):** Ensure the charger is securely plugged into a live electrical outlet. Check your home's circuit breaker.
- **Flashing Red Light (General Fault):** Unplug the charger from both the vehicle and the power source. Wait a few minutes, then reconnect. If the fault persists, contact customer support.
- **Solid Red Light (Ground Fault):** This indicates a serious electrical issue. Immediately unplug the charger. Do not attempt to use it again. Contact a qualified electrician to inspect your outlet and wiring, then contact customer support.
- **Slow Charging:** Ensure you are using the appropriate outlet (240V NEMA 6-20 for faster charging, 120V NEMA 5-15 for standard charging). Verify your vehicle's charging settings.
- **Vehicle Not Charging:** Ensure the J1772 connector is fully inserted into the vehicle's charging port. Check if your vehicle's charging schedule is active.

For issues not resolved by these steps, please contact EVDANCE customer support.

9. Specifications

Feature	Specification
Brand	EVDANCE
Model Number	EV-ACS1601U
Charging Level	Level 1 / Level 2
Amperage	16 Amps
Voltage	110V-240V
Wattage	3840 watts
Cable Length	25 feet
Connector Type	J1772
Plug Type	NEMA 6-20 (with 5-15 adapter)
Item Weight	7 pounds
Product Dimensions	8 x 3.5 x 25 inches
Special Features	Fast Charging, Intelligent Safety Protection, IP66 Water Protection

10. Warranty and Support

EVDANCE provides a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship issues. If you encounter any problems covered under warranty, please contact our dedicated support team for assistance.
For customer support, please visit the official EVDANCE website or refer to the contact information provided with your purchase documentation.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question