

EVoCharge EVC3AA0B2E1A1

EVoCharge Level 2 EV Charger User Manual

Model: EVC3AA0B2E1A1

Brand: EVoCharge

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your EVoCharge Level 2 EV Charger, Model EVC3AA0B2E1A1. This electric vehicle charging station is designed to provide up to 32 Amps of power at 240 Volts, significantly reducing charging times compared to Level 1 chargers. It features a 25-foot cable and a NEMA 6-50 plug, suitable for both indoor and outdoor installations. Please read this manual thoroughly before installation and operation.



Image 1: The EVOCharge Level 2 EV Charger, showing the main unit, NEMA 6-50 power plug, and the J1772 charging connector with its holster.

1.1 Product Overview Video

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Video 1: An introductory video showcasing the EVoCharge brand and the benefits of Level 2 EV charging. This video highlights the product's features such as faster charging and outdoor reliability.

2. IMPORTANT SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in fire, electric shock, serious injury, or death.

- **Professional Installation:** Installation of this charging station requires electrical work. It is strongly recommended that a qualified electrician performs the installation to ensure compliance with all local and national electrical codes.
- **Grounding:** The charging station must be properly grounded. Do not use an adapter or extension cord with this product.
- **Power Source:** Connect the charger only to a 240V, NEMA 6-50 receptacle on a dedicated circuit with appropriate overcurrent protection (e.g., a 40 Amp circuit breaker for 32 Amp charging).
- **Damage Inspection:** Before each use, inspect the charging cable, plug, and charging station for any signs of damage. Do not use if any components are damaged.
- **Water Exposure:** While designed for outdoor use, avoid submerging the unit or charging connector in water. Ensure the charging connector is dry before plugging it into your vehicle.
- **Children and Pets:** Keep children and pets away from the charging station during operation.
- **Emergency Disconnect:** Know the location of your circuit breaker for the charging station and how to turn it off in an emergency.

3. WHAT'S IN THE BOX

Your EVoCharge Level 2 EV Charger package includes the following components:

- EVoCharge Level 2 EV Charging Station (Model EVC3AA0B2E1A1)
- Integrated 25-foot charging cable with J1772 connector
- Integrated NEMA 6-50 power plug
- Wall-mount holster for J1772 connector
- Mounting hardware (screws, anchors)
- User Manual and Warranty Information

3.1 Unboxing and Components Video

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Video 2: This video provides a visual guide to the contents of the EVoCharge Level 2 EV Charger package, showing the main unit and accessories.

4. SETUP AND INSTALLATION

The EVoCharge Level 2 EV Charger is designed for straightforward installation. However, due to the electrical requirements, professional installation by a certified electrician is highly recommended to ensure safety and compliance with local codes.

4.1 Mounting the Charging Station

1. **Choose Location:** Select a suitable indoor or outdoor location near your NEMA 6-50 outlet and where the 25-foot charging cable can comfortably reach your vehicle's charging port. Ensure the mounting surface is sturdy enough to support the unit's weight (approximately 16.52 lbs).
2. **Mark Drilling Points:** Use the provided mounting template (if applicable) or measure the mounting holes on the back of the unit. Mark the drilling points on the wall.
3. **Drill Holes:** Drill pilot holes at the marked locations. Insert wall anchors if mounting into drywall or masonry.
4. **Secure Unit:** Mount the charging station to the wall using the provided screws. Ensure it is securely fastened.



Image 2: A close-up view of hands securing the EVOCharge charging unit to a wall, demonstrating the mounting process.

4.2 Power Connection (NEMA 6-50 Plug)

The EVOCharge charger comes with a NEMA 6-50 plug. Plug this directly into a compatible 240V NEMA 6-50 receptacle. Ensure the receptacle is on a dedicated circuit and properly installed by a qualified electrician.



Image 3: A diagram illustrating the correct orientation for a NEMA 6-50 outlet, showing both ground-up and ground-down configurations for optimal cable routing.

4.3 Cable Management

Utilize the provided wall-mount holster to store the J1772 connector and neatly coil the charging cable when not in use. This helps protect the cable from damage and keeps your charging area tidy.



Image 4: The EVoCharge unit mounted on a wall, with the charging cable neatly coiled and the J1772 connector stored in its holster, demonstrating effective cable management.

4.4 Cable Management Video

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Video 3: A demonstration of how to properly coil and store the EVoCharge charging cable using the wall-mounted holster, ensuring a tidy and safe charging area.

5. OPERATING INSTRUCTIONS

Using your EVoCharge Level 2 EV Charger is simple and intuitive.

1. **Ensure Power:** Verify that the EVoCharge unit is plugged into the NEMA 6-50 outlet and receiving power. The unit's indicator lights should be on (refer to the LED Status Indicators section for details).
2. **Retrieve Connector:** Remove the J1772 charging connector from its holster.
3. **Connect to Vehicle:** Open your electric vehicle's charging port cover. Firmly insert the J1772 connector into the vehicle's charging port until it clicks into place.
4. **Charging Begins:** The charging process will typically begin automatically. The indicator lights on the EVoCharge unit and your vehicle will change to show that charging is active.
5. **Monitor Charging:** You can monitor the charging status via your vehicle's dashboard or mobile app.
6. **End Charging:** To stop charging, unlock your vehicle's charging port (if applicable), press the release button on the J1772 connector, and pull it out from the vehicle.
7. **Store Connector:** Return the J1772 connector to its holster and neatly coil the cable.



Image 5: A user connecting the J1772 charging connector from the EVoCharge unit into the charging port of an electric vehicle, illustrating the start of the charging process.



Image 6: A detailed view of an electric vehicle's charging port with the J1772 connector securely inserted, indicating an active charging connection.

5.1 LED Status Indicators

The EVoCharge unit features LED indicators to communicate its status:

- **Solid Green:** Ready to charge.
- **Flashing Green:** Charging actively.
- **Solid Red:** Fault or error. Refer to the Troubleshooting section.
- **No Light:** Unit is not powered or in standby mode.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your EVoCharge charger.

- **Cleaning:** Periodically wipe the charging station and cable with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the unit is unplugged before cleaning.
- **Cable Care:** Avoid kinking, crushing, or driving over the charging cable. Always coil the cable neatly in its holster when not in use.
- **Connector Inspection:** Regularly check the J1772 connector for dirt, debris, or damage. Keep the protective cap on the connector when not in use.
- **Environmental Protection:** While designed for outdoor use, protecting the unit from direct, prolonged exposure to extreme weather conditions (e.g., heavy snow, direct sunlight for extended periods) can extend its lifespan.

7. TROUBLESHOOTING

If you encounter issues with your EVoCharge charger, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Charger not powering on (no LED lights)	No power from outlet; circuit breaker tripped; unit unplugged.	Check if the NEMA 6-50 plug is fully inserted. Check your electrical panel for a tripped circuit breaker and reset if necessary. Verify the outlet is functional.
Vehicle not charging	J1772 connector not fully inserted; vehicle charging schedule active; vehicle fault; charger fault.	Ensure the J1772 connector is fully seated and locked into the vehicle's port. Check your vehicle's charging settings. Unplug and re-plug the charger. If the issue persists, consult your vehicle's manual or contact EVoCharge support.
Red LED indicator is on	Internal fault; overcurrent; over-temperature.	Unplug the charger from the wall outlet for 5 minutes, then plug it back in. If the red light persists, discontinue use and contact EVoCharge support.
Slow charging	Vehicle settings; electrical supply issue.	Check your vehicle's charging settings to ensure it's configured for maximum AC charging rate. Ensure the NEMA 6-50 outlet is providing full 240V power.

If these steps do not resolve the issue, please contact EVoCharge Customer Support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Model Number	EVC3AA0B2E1A1
Amperage	32 Amps
Voltage	240 Volts
Wattage	7.68 KW
Cable Length	25 feet
Power Plug Type	NEMA 6-50
Charging Connector	J1772 (Universal for North American EVs)
Safety Rating	UL (Underwriters Laboratories), UL/cUL, File Number: E469990
Dimensions (Unit)	11 x 7.5 x 3.2 inches
Item Weight	16.52 pounds
Operating Environment	Indoor/Outdoor

9. WARRANTY AND CUSTOMER SUPPORT

EVoCharge stands behind the quality of its products. For warranty information, please refer to the warranty card included in your product packaging or visit the official EVoCharge website. If you require technical assistance, have

questions about installation, or need to report a problem, please contact EVoCharge Customer Support:




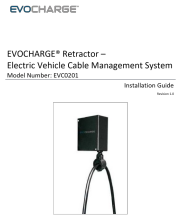
- **Website:** www.evocharge.com (for general inquiries and FAQs)
- **Contact Information:** Refer to your product packaging or the EVoCharge website for the most current contact details (phone, email).

Please have your model number (EVC3AA0B2E1A1) and purchase date ready when contacting support.



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Related Documents - EVC3AA0B2E1A1

	<p>EvoCharge EVSE 50 Home 50 Product Manual</p> <p>This manual provides detailed instructions for the EvoCharge EVSE 50 and Home 50 Level 2 Electric Vehicle Charging Station, covering installation, operation, connectivity, troubleshooting, and specifications. Learn how to safely and efficiently charge your electric vehicle at home.</p>
	<p>EvoCharge 50A EV Charging Station Quick Installation Guide</p> <p>Step-by-step guide for installing the EvoCharge 50A EVSE and Home 50 electric vehicle charging stations. Includes safety information, mounting, wiring, and setup instructions.</p>
	<p>EVOCHARGE EVSE 50A Electric Vehicle Charging Station Quick Installation Guide</p> <p>Quick installation guide for the EVOCHARGE EVSE 50A electric vehicle charging station, covering safety instructions, mounting, wiring, and specifications.</p>
	<p>EVOCHARGE EVC0201 Retractor Installation Guide</p> <p>Installation guide for the EVOCHARGE EVC0201 Retractor, an electric vehicle cable management system. Includes safety instructions, unpacking, planning, tools, and installation steps for electric vehicle supply equipment.</p>

Detailed reference guide for EvoCharge EVSE chargers, explaining the meaning of different LED indicator light states and colors for models like EVSE 50 and Home 50.

A comprehensive overview of the EvoCharge mobile application, detailing its features for managing EV charging, including app setup, scheduling, remote control, vehicle management, utility pricing, and charger sharing.

Documents - EVoCharge – EVC3AA0B2E1A1



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[\[pdf\]](#) User Manual Specifications


7 32A Level 2 Charging Stations EVOCHARGE EVSE EVC3AA0A2E1A1 18 ft charge cable or
EVC3AA0B2E1A1 25 iEVSE EVC3AB0A2E1A1 EVC3AB0B2E1A1 SAE J1772 AC Max Output Rating 68
kW Maximum For use with dedicated 40A greater Supply Circuit *visit evocharge for more information to
an installation manual 9700 thWest 74 Street Eden Prairie MN 55344 Phone 952 941 Toll Free 800 328
6108 evochargesales@phillipsandtemro Station Spec Sheet 1122 2021 02 |||


32A Level 2 Charging Stations EVSE, iEVSE, iEVSE Plus Product Description and Specifications ELEC ... solutions available Optional Part Number EVOCHARGE

EVSE: EVC3AA0A2E1A1 18 ft. charge cable or **EVC3AA0B2E1A1** 25 ft. charge
cable EVOCHARGE iEVSE: EVC3AB0A2E1A1 18 ft. charge cable or EVC3AB0B...
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HOME LEVEL 2 CHARGING STATION


Home Level 2 Charging Stations



Basic and smart EV charging stations


FEATURES


- Modular construction for maximum flexibility
- Rapid Level 2 Charging, 24.0kW output provides up to the Tesla Supercharger Standard Level 1
- Integrated holder for cable management
- Inductive light communicates charging status
- Suitable for indoor and outdoor use -40°F to 140°F
- Smart cable length to fit your charging area and location needs
- Smart charging station with mobile app
- iOS and Android approved for safety


OPTIONAL ACCESSORIES


- EcoFlow portable solutions for the ultimate convenience, cleanliness and safety
- EcoFlow Solar Cable Caddy - protecting and looking for overhead use and more
- Braided—spring loaded safety, supports cable to effortlessly use cable rack for convenient storage


LED display and status indicator


Holder


24.0kW

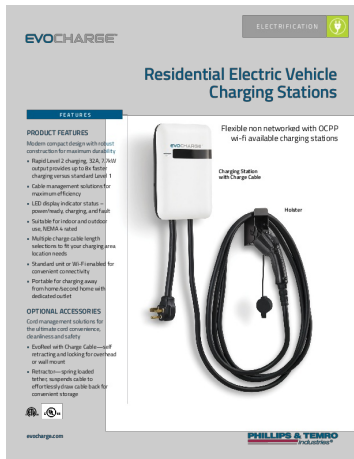




[\[pdf\]](#) Accessories

Home Level 2 Charging Stations AP Electric GeneratorsBasic and smart EV charging stations
ELECTRIFICATION FEATURES LED display EVC3AA0B2E1A1 25 ft NEMA 6 50 Plug Part Number
Cable Length Power home station sell sheetapelectric content EvoCharge home sheet srsItid
AfmBOorXh3a37zD SI5NiStdT ur5Ru1q9bP0aINm 7lqt0Ea4VKoHHj |||
FEATURES PRODUCT FEATURES Modern compact design with robust construction
for maximum durability ... with 30A or 20A supply circuit. EVOCHARGE EVSE 32A,
7.7KW AND HOLSTER Part Number EVC3AA0A2E1A1 **EVC3AA0B2E1A1** Cable
Length 18 ft. 25 ft. Power Connection* NEMA 6-50 Plug NEMA 6-50 Plug
EVOCHARG...

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[pdf] Accessories

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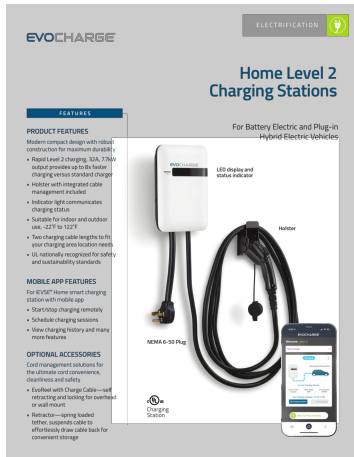
ELECTRIFICATION FEATURES PRODUCT FEATURES Modern compact design with robust construction for maximum durability. Efficient cord management solutions.

EVOCHARGE EVSE 32A, 7.7KW AND HOLSTER Part Number EVC3AA0A2E1A1

EVC3AA0B2E1A1 Cable Length 18 ft. 25 ft. Power Connection* Plug-In Plug-In

EVOCHARGE iEVSE 32A, 7...

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[pdf] Accessories

Homeowner Charging Stations Product Documents Technical Information EvoCharge LIT0231E 0422

EVOCHARGE Residential EV evocharge 2021 02 |||

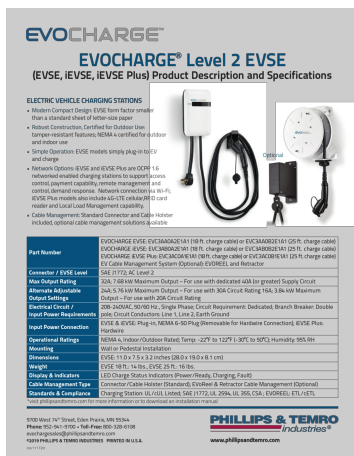
ELECTRIFICATION FEATURES PRODUCT FEATURES Modern compact design with robust construction for maximum durability. Efficient cord management solutions.

EVOCHARGE EVSE 32A, 7.7KW AND HOLSTER Part Number EVC3AA0A2E1A1

EVC3AA0B2E1A1 Cable Length 18 ft. 25 ft. Power Connection* NEMA 6-50 Plug

NEMA 6-50 Plug EVOCHARGE...

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[pdf] Specifications

EVOCHARGE Level 2 Charging Station Spec Sheet evocharge 2021 02 |||

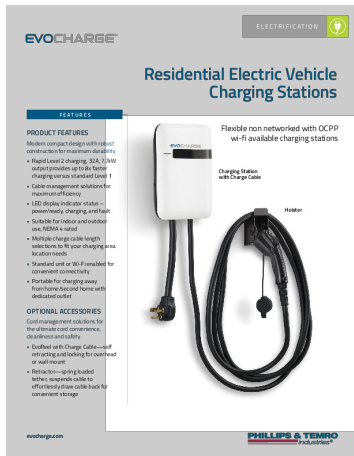
EVOCHARGE Level 2 EVSE EVSE, iEVSE, iEVSE Plus Product Description and Specifications ELECTRIC VE ... solutions available Optional Part Number

EVOCHARGE EVSE: EVC3AA0A2E1A1 18 ft. charge cable or **EVC3AA0B2E1A1** 25

ft. charge cable EVOCHARGE iEVSE: EVC3AB0A2E1A1 18 ft. charge cable or

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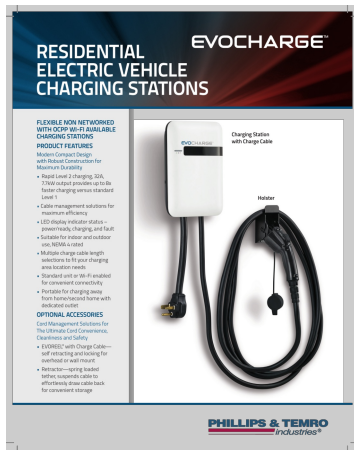
[pdf] Accessories

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ELECTRIFICATION FEATURES PRODUCT FEATURES Modern compact design with robust construction for maximum durability. Efficient cord management solutions.

EVOCHARGE EVSE 32A, 7.7KW AND HOLSTER Part Number EVC3AA0A2E1A1 **EVC3AA0B2E1A1** Cable Length 18 ft. 25 ft. Power Connection* Plug-In Plug-In EVOCHARGE iEVSE 32A, 7...

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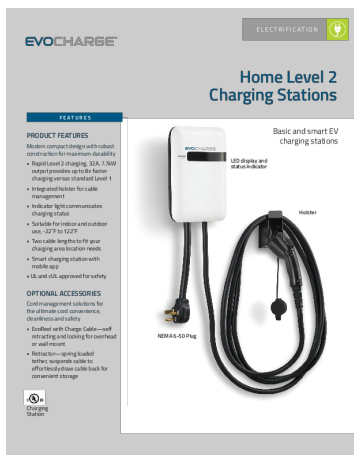


[pdf] Accessories

RESIDENTIAL ELECTRIC VEHICLE CHARGING STATIONS EvoCharge Residential EV Charging Stations evocharge 2021 02 |||

RESIDENTIAL ELECTRIC VEHICLE CHARGING STATIONS FLEXIBLE NON NETWORKED WITH OCPP WI-FI AVAILABLE CHA ... A, 7.7kW and Holster Part Number Cable Length Power Connection* EVC3AA0A2E1A1 18 ft. Plug-In **EVC3AA0B2E1A1** 25 ft. Plug-In EVOCHARGE iEVSE 32A, 7.7kW plus Wi-Fi and OCPP Compatible with Holst...

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[pdf] Accessories

Home Level 2 Charging Stations Go Now Evocharge View all construction Url evocharge 2021 02

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FEATURES PRODUCT FEATURES Modern compact design with robust construction for maximum durability R ap ... e with 30A or 20A supply circuit. EVOCHARGE EVSE 32A, 7.7KW AND HOLSTER Part Number EVC3AA0A2E1A1 **EVC3AA0B2E1A1** Cable Length 18 ft. 25 ft. Power Connection* NEMA 6-50 Plug NEMA 6-50 Plug EVOCHARGE...

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RESIDENTIAL ELECTRIC VEHICLE CHARGING STATIONS

PRODUCT FEATURES

- Flexible home networked into existing Wi-Fi available charging stations
- In-house Control Charge with In-house Communication for Maximum Flexibility
 - » Real Load 2 charging, 10kW, 7000W load power with 10kW power limit
 - » Load 1: 7000W power limit
 - » Load 2: 10kW power limit
- Cable management solution for maximum efficiency
- LED display indicates status – power/kWh, charging, and fault
- Suitable for indoor or outdoor use with NEMA 4X rating
- Multiple charge cable length solutions to fit any charging area location
- Standard 2 pin or 3 pin corded for convenient connecting
- Standard 2 pin or 3 pin cordless for easy connection
- From factory-tested home with detailed instructions

OPTIONAL ACCESSORIES

Look for the following accessories for The Ultimate Cord Connection. Externals and Safety

- » EXTERNAL with Charge Control and external charging for the outdoors or wall mount
- » Interlock with charge locked, interlocks, safety to interlock, drive state safety for convenient driving



Charging Station
with Charge Cable

Handle

PHILLIPS
Products®

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32A Level 2 Charging Stations

- **Modern Compact Design:** EVSE form factor smaller than a standard sheet of letter-size paper
- **Robust Construction, Certified for Outdoor Use:** tamper-resistant features; NEMA 4-certified for outdoor and indoor use

-

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industries®
www.evcharge.com

III

EVSE: EVC3AA0A2E1A1 18 ft. charge cable or **EVC3AA0B2E1A1** 25 ft. charge

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