

Part Synergy EVC3AA0B2A1A1

Part Synergy EVO CHARGE EVC3AA0B2A1A1 Electric Vehicle Charging Station User Manual

Model: EVC3AA0B2A1A1 | Brand: Part Synergy

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Part Synergy EVO CHARGE EVC3AA0B2A1A1 Electric Vehicle Charging Station. Please read this manual thoroughly before installation and use, and retain it for future reference. This Level 2 EVSE (Electric Vehicle Supply Equipment) is designed to provide reliable and fast charging for your electric vehicle at home.

2. SAFETY INFORMATION

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

- **Professional Installation:** Installation must be performed by a qualified electrician in accordance with all local and national electrical codes and regulations.
- **Dedicated Circuit:** The charging station requires a dedicated 40A (or greater) supply circuit. Do not connect to an overloaded circuit.
- **Grounding:** Ensure the charging station is properly grounded to prevent electric shock.
- **Environmental Conditions:** The device is NEMA 4 rated for indoor or outdoor use and engineered for temperatures ranging from -22°F to 122°F (-30°C to 50°C). Do not operate outside these conditions.
- **Damage Inspection:** Do not use the charging station if the enclosure, charging cable, or connector is damaged. Contact customer support immediately.
- **Water Exposure:** Avoid submerging the charging station or connector in water. Do not spray water directly onto the unit.
- **Children and Pets:** Keep children and pets away from the charging station during operation.
- **Flammable Materials:** Do not install or operate near flammable, explosive, or corrosive materials.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Part Synergy EVC3AA0B2A1A1 - EVSE 32 A/240 V NEMA Electric Vehicle Charging Station
- Mounting hardware (may vary based on model variant)
- Connector/Cable Holster
- User Manual (this document)

4. PRODUCT FEATURES

- **Level 2 Charging:** Provides up to 7.68 kW maximum output, charging electric vehicles significantly faster than standard Level 1 chargers.
- **High Power Output:** 32 Amp, 240 Volt, single-phase, 50/60Hz unit.
- **Flexible Cable Length:** Available with an 18 ft or 25 ft charging cable for convenient vehicle placement.
- **Durable Design:** NEMA 4 rated enclosure ensures tamper-resistance and protection against weather conditions, suitable for both indoor and outdoor installation.
- **Smart Technology & Wi-Fi:** Supports Wi-Fi connectivity for smart features and remote management.
- **Open Charge Point Protocol (OCPP):** Features true OCPP compatibility, allowing integration with various third-party network service providers.
- **Load Management System:** Capable of managing multiple charging sessions, ideal for households with more than one electric vehicle.
- **Cable Management:** Includes a Connector/Cable Holster. Some models may include a Retractor for effortless cable drawback, or an optional EvoReel system.

5. SPECIFICATIONS

Model Number	EVC3AA0B2A1A1
Input/Output Voltage	240V AC
Maximum Current	32 Amps
Maximum Power Output	7.68 kW
Frequency	50/60 Hz
Enclosure Rating	NEMA 4 (Indoor/Outdoor)
Operating Temperature	-22°F to 122°F (-30°C to 50°C)
Dimensions (Unit)	Approximately 17 x 16 x 15 inches
Item Weight	Approximately 14 pounds
Connectivity	Wi-Fi, OCPP

6. SETUP AND INSTALLATION

IMPORTANT: Installation must be performed by a licensed electrician. Incorrect installation can lead to serious

hazards and void the product warranty.

6.1 Pre-Installation Checklist

- Verify that your electrical panel has a dedicated 40A (or greater) circuit breaker available.
- Choose a suitable mounting location (indoor or outdoor) that is within reach of your vehicle's charging port and a power source.
- Ensure the mounting surface is structurally sound to support the weight of the charging station and withstand cable tension.

6.2 Mounting Options

The EVO CHARGE EVC3AA0B2A1A1 can be wall-mounted or installed on a pedestal (pedestal sold separately).



Figure 1: Wall-mounted charging station with cable management.



Figure 2: Charging station installed on a pedestal mount.

6.3 Electrical Connection

Your electrician will connect the charging station to the dedicated 240V AC circuit. Follow the wiring diagrams provided with the product packaging for specific connection details. Ensure all connections are secure and meet local electrical codes.

6.4 Initial Power-Up and Wi-Fi Setup

Once installed, power on the circuit breaker. The charging station will initiate its startup sequence. Refer to the separate Wi-Fi setup guide (if provided) or the manufacturer's website for instructions on connecting your device to

your home Wi-Fi network and configuring smart features via the dedicated app.

7. OPERATING INSTRUCTIONS

7.1 Charging Your Electric Vehicle

1. Ensure your vehicle is parked within reach of the charging cable.
2. Remove the charging connector from its holster.
3. Insert the charging connector firmly into your vehicle's charging port. The charging station will typically indicate a successful connection (e.g., via LED indicators).
4. The charging process will begin automatically or can be initiated via your vehicle's interface or the charging station's app, depending on your setup.
5. To stop charging, follow your vehicle's instructions to safely disconnect the charging cable, then return the connector to its holster.

7.2 Using Smart Features (Wi-Fi & OCPP)

With Wi-Fi connectivity, you can manage your charging station remotely. This may include:

- Scheduling charging sessions to take advantage of off-peak electricity rates.
- Monitoring charging status and energy consumption.
- Implementing load management for multiple EV chargers.
- Accessing firmware updates.

Refer to the manufacturer's app or third-party OCPP provider's documentation for detailed instructions on utilizing these features.

8. MAINTENANCE

The EVO CHARGE EVC3AA0B2A1A1 is designed for minimal maintenance due to its durable NEMA 4 rated enclosure.

- **Regular Cleaning:** Periodically wipe the exterior of the charging station and the charging cable with a soft, damp cloth to remove dust and dirt. Do not use harsh chemicals or abrasive cleaners.
- **Cable and Connector Inspection:** Regularly inspect the charging cable and connector for any signs of wear, cuts, fraying, or damage. If any damage is observed, discontinue use immediately and contact customer support.
- **Holster Use:** Always return the charging connector to its holster after use to protect it from environmental elements and accidental damage.



Figure 3: EVO CHARGE unit and cable.

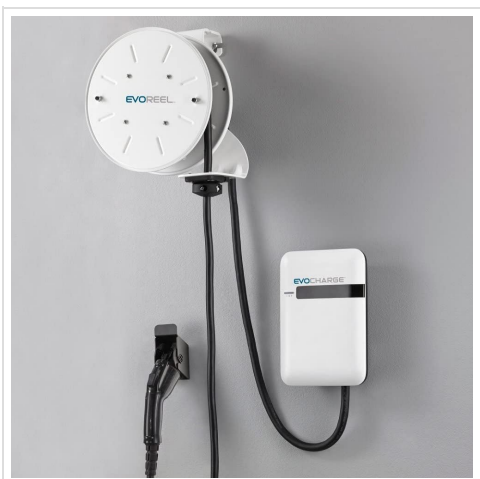


Figure 4: Charging station with optional EvoReel cable management.

9. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Charging not starting	• Charging connector not fully inserted. • Vehicle charging schedule active. • Circuit breaker tripped. • Charging station fault.	• Ensure connector is securely plugged into the vehicle. • Check vehicle's charging settings or app. • Check and reset the circuit breaker. • Consult the charging station's LED indicators for fault codes; contact support if persistent.

Wi-Fi connectivity issues	• Incorrect Wi-Fi password. • Out of Wi-Fi range. • Router issues.	• Re-enter Wi-Fi credentials via the app. • Move charging station closer to router or use a Wi-Fi extender. • Restart your home router.
Slow charging speed	• Vehicle settings limiting charge rate. • Shared circuit with other high-draw appliances. • Load management system active.	• Check vehicle's charging settings. • Ensure charging station is on a dedicated circuit. • Review load management settings in the app.

If the problem persists after attempting these solutions, please contact Part Synergy customer support.

10. WARRANTY INFORMATION

Part Synergy products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Part Synergy website. Keep your proof of purchase for warranty claims.

Extended protection plans may be available for purchase separately to provide additional coverage beyond the standard manufacturer's warranty. Please inquire with your retailer for details on 2-Year or 3-Year protection plans.

11. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact Part Synergy customer support through their official website or the contact information provided in your product packaging.

Website: www.partsynergy.com (Example link, please verify actual website)

Please have your model number (EVC3AA0B2A1A1) and date of purchase ready when contacting support.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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