

SEGUMA EV-ACS3202U

SEGUMA EV-ACS3202U Level 2 EV Charger User Manual

Model: EV-ACS3202U

1. INTRODUCTION

Thank you for choosing the SEGUMA EV-ACS3202U Level 2 EV Charger. This manual provides essential information for the safe and efficient operation of your new electric vehicle charging station. Please read this manual thoroughly before installation and use, and retain it for future reference.

The SEGUMA EV-ACS3202U is a portable 32Amp Level 2 EV charger designed for electric vehicles and plug-in hybrids. It features a NEMA 14-50 plug for easy connection to compatible outlets and a J1772 connector for broad vehicle compatibility. Key features include adjustable current settings, a delay timer, and a 25-foot cable for flexible charging.



Image: SEGUMA 32A Portable Level 2 EV Charger, highlighting its NEMA 14-50 plug and 25ft cable.

2. SAFETY INFORMATION

This EV charger is engineered for durability and safety. It is IP66 weather-resistant, UL 94V-0 flame-retardant, and designed to operate in temperatures from -22°F to 122°F (-30°C to 50°C). It incorporates comprehensive protection features:

- Lightning Protection
- Leakage Protection
- Overcurrent Protection
- Undervoltage Protection
- Overvoltage Protection
- Overheating Protection
- Overcharging Protection
- FCC Certification

Important Safety Precautions:

- Ensure the NEMA 14-50 outlet is properly installed and grounded by a qualified electrician.
- Do not use the charger with incompatible outlets (e.g., NEMA 5-15, 6-20, 10-30, 14-30, 6-50) without the proper adapter. Using an incorrect adapter can be hazardous.
- Avoid using extension cords or adapters not specifically designed for EV charging, as this may lead to overheating or damage.
- Do not attempt to open, disassemble, or modify the charger.
- Keep the charging cable and connector away from water, oil, and sharp objects.
- If the charger displays an error or stops charging due to high temperature (above 85°C), unplug the power plug and allow it to cool before reconnecting.



Image: Visual representation of the 8 intelligent safety protection features, including FCC certification, lightning, leakage, overcurrent, overvoltage, undervoltage, overheat, and overcharge protection.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x SEGUMA 32A Level 2 EV Charger (NEMA 14-50)
- 1x Control Box Holder
- 1x Connector Bracket
- 1x Portable Storage Bag

- 1x User Manual



Image: Contents of the SEGUMA EV Charger package, including the charger unit, control box holder, connector bracket, portable storage bag, and user manual.

4. PRODUCT FEATURES

- **NEMA 14-50 Plug:** Equipped with an EV-specific NEMA 14-50 plug for direct connection to compatible 208V-240V outlets in homes, RV parks, or workplaces.
- **J1772 Connector:** Compatible with most non-NACS electric vehicles and plug-in hybrids (PHEVs) that use the standard SAE J1772 charging port. (*Note: Tesla EVs and EVs from 2025 with NACS charging ports require a J1772-to-Tesla adapter, sold separately.*)
- **Adjustable Current:** Allows setting the charging current to 10A, 16A, 20A, 24A, or 32A to match charging needs and electrical circuit capacity.
- **Delay Timer:** Schedule charging to start after a delay of 1 to 12 hours, useful for off-peak electricity rates.
- **25ft Cable:** An extra-long, UL-listed 25-foot cable provides extended reach for convenient charging.
- **TFT Screen Display:** A 1.77-inch TFT screen shows real-time charging rate, voltage, time, current, and power consumption.
- **Dynamic LED Indicator:** Provides visual feedback on charging progress and error states.
- **Durable and Weather-Resistant:** IP66 rated for dust and water resistance, suitable for various outdoor conditions.

32Amp Level 2 Tesla Charger



Image: Overview of the SEGUMA EV Charger, showing the NEMA 14-50 plug, the main control unit, and the J1772 charging connector.





Image: Comparison illustrating the faster charging speed of the SEGUMA 32A charger (24 miles/hour) compared to a standard 10A charger (3.7 miles/hour).



Image: The 25-foot extra-long cable of the SEGUMA EV Charger, demonstrating its reach for convenient charging.

Compatible with 98% of J1772 EVs & PHEVs










| | | |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Toyota  | BMW  | Ford  |
| Kia  | Rivian  | Honda  |
| Audi  | Volvo  | Mercedes-Benz  |

Image: The J1772 connector and its compatibility with major EV and PHEV brands like Toyota, BMW, Ford, Kia, Rivian, Honda, Audi, Volvo, and Mercedes-Benz.



Image: Highlights the robust construction of the SEGUMA EV Charger, including IP66 dust and waterproof rating, 15,000 plug test cycles, and 2T pressure resistance.

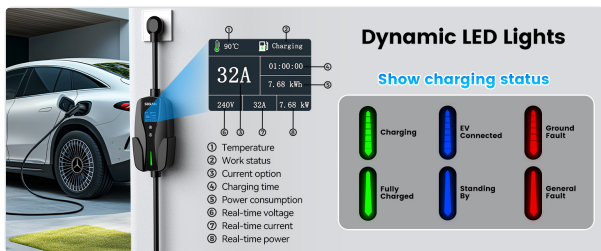


Image: Demonstrates the SEGUMA EV Charger's resilience in diverse weather conditions, including dust, rain, snow (-22°F/-30°C), and high temperatures (122°F/50°C).

5. SETUP AND INSTALLATION

The SEGUMA EV-ACS3202U charger is designed for straightforward setup. It requires a dedicated NEMA 14-50 outlet (208V-240V) for operation.

5.1 Outlet Compatibility

This charger is equipped with a NEMA 14-50 plug. Ensure your electrical system has a compatible NEMA 14-50 outlet. Do not use with other outlets such as NEMA 5-15, 6-20, 10-30, 14-30, or 6-50 without the proper adapter, as they are not directly compatible and can pose safety risks.



Image: Illustrates the NEMA 14-50 plug compatibility and lists other NEMA outlets that are not directly compatible without an adapter.

5.2 Mounting the Charger (Optional)

The included control box holder and connector bracket can be used to mount the charger unit and secure the J1772 connector when not in use. Choose a suitable location near your NEMA 14-50 outlet, ensuring it is protected from direct impact and excessive moisture.

5.3 Charging Steps

Follow these three steps to begin charging your EV:

1. **Plug into Outlet:** Simply insert the NEMA 14-50 plug into your standard NEMA 14-50 outlet.
2. **Set the Current (Optional):** Hold the "A" button on the charger for 3 seconds to set your desired amperage (from 10A to 32A).
3. **Connect with your Car:** Plug the J1772 connector into your vehicle's charging port. The indicator will flash green to show charging has started.



Image: A visual guide demonstrating the three simple steps to use the SEGUMA EV Charger: plug into the outlet, set the current, and connect to the car.

6. OPERATING INSTRUCTIONS

6.1 Adjustable Current Settings

The charger allows you to adjust the charging current to suit your needs or the capacity of your electrical circuit. Press the "A" button to cycle through the available current options:

- 10A (approx. 7.5 miles/hour)
- 16A (approx. 12 miles/hour)
- 20A (approx. 15 miles/hour)
- 24A (approx. 18 miles/hour)
- 32A (approx. 24 miles/hour)



Image: The charger's display showing adjustable current options (32A, 24A, 16A, 10A) and how to select them.

6.2 Delay Timer Function

To utilize off-peak electricity rates or manage charging schedules, you can set a delay for the charging start time. Press the "Delay" button to set a delay from 1 to 12 hours. The charger will automatically begin charging after the set delay period.



Image: Illustrates the appointed charging time feature, showing how to schedule charging during off-peak hours to save electricity costs.

6.3 Monitoring Charging Status

The 1.77-inch TFT screen and dynamic LED indicator provide real-time information:

- **TFT Screen:** Displays temperature, work status, current option, charging time, power consumption, real-time voltage, real-time current, and real-time power.

- **Dynamic LED Indicator:**

- Green (Solid/Flashing): Charging / Fully Charged
- Blue (Solid/Flashing): EV Connected / Standing By
- Red (Solid/Flashing): Ground Fault / General Fault



Image: The charger's display panel, detailing information such as temperature, work status, current, charging time, power consumption, voltage, and real-time power.



Image: The dynamic LED lights on the charger, illustrating different colors and states to indicate charging, EV connection, and fault conditions.

7. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your EV charger.

- **Regular Cleaning:** Wipe the charger unit and cable with a soft, dry cloth to remove dust and dirt. Do not use abrasive cleaners or solvents.
- **Cable Inspection:** Periodically inspect the charging cable and connector for any signs of damage, fraying, or wear. If any damage is observed, discontinue use immediately and contact support.
- **Storage:** When not in use, store the charger in the provided portable storage bag in a dry, clean place. Use the connector bracket to keep the J1772 connector protected.
- **Environmental Conditions:** While the charger is IP66 rated, avoid prolonged exposure to extreme weather conditions when possible.

8. TROUBLESHOOTING

If you encounter issues with your SEGUMA EV Charger, refer to the following common troubleshooting steps:

| Problem | Possible Cause | Solution |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Charger not turning on / No display | No power from outlet; Loose connection | Ensure the NEMA 14-50 plug is fully inserted into the outlet. Check the circuit breaker for the outlet. |
| Charging not starting | J1772 connector not fully inserted; Vehicle not ready to charge; Delay timer active; Fault detected | Ensure the J1772 connector is securely plugged into the vehicle. Check vehicle's charging settings. Verify delay timer is not active. Check charger display for fault codes. |
| Slow charging speed | Current setting is low; Vehicle's charging limit | Adjust the current setting on the charger to a higher amperage (up to 32A). Check your vehicle's charging settings. |
| Overheating warning (display shows high temp) | Charger operating in high ambient temperature; Excessive load | Unplug the charger from the outlet and allow it to cool down. Ensure adequate ventilation around the charger. Consider reducing the charging current. |
| Red LED indicator / General Fault | Internal fault; Electrical issue | Unplug the charger from both the vehicle and the outlet. Wait a few minutes, then reconnect. If the fault persists, contact customer support. |

For issues not covered here, please contact SEGUMA customer support.

9. SPECIFICATIONS

| Feature | Specification |
|-----------------------|---------------|
| Model | EV-ACS3202U |
| Input Plug Type | NEMA 14-50 |
| Output Connector Type | SAE J1772 |

| Feature | Specification |
|-----------------------|----------------------------------------------|
| Charging Level | Level 2 |
| Amperage | Adjustable: 10A, 16A, 20A, 24A, 32A |
| Voltage | 208V-240V AC |
| Cable Length | 25 feet |
| Operating Temperature | -22°F to 122°F (-30°C to 50°C) |
| IP Rating | IP66 (Dust and Water Resistant) |
| Item Weight | 10.34 pounds |
| Package Dimensions | 17.13 x 13.35 x 5.12 inches |
| Certifications | ETL Certified, UL 94V-0 Flame-Retardant, FCC |

10. WARRANTY AND SUPPORT

The SEGUMA EV-ACS3202U Level 2 EV Charger comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical assistance, warranty claims, or any questions regarding your product, please contact SEGUMA customer support. Our team is available 24/7 to assist you and ensure your issues are resolved promptly.

Please have your product model number (EV-ACS3202U) and purchase information ready when contacting support.