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> Siemens VersiCharge™ AC Series 40A 208/240V Smart Connected EV Charger User Manual

SIEMENS 8EM13124CF180FA3

Siemens VersiCharge™ AC Series EV Charger User Manual

Model: 8EM13124CF180FA3

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Siemens VersiCharge™ AC Series Electric Vehicle (EV) Charger. Please read this manual thoroughly before installation and use, and retain it for future reference.

The Siemens VersiCharge™ AC Series is a Level 2 smart-connected EV charger designed for residential indoor and outdoor use. It features a 40A capacity, 208/240V compatibility, and a 20 ft. cable with a NEMA 6-50 plug, offering a convenient and efficient charging solution for all standard EV vehicles, including Tesla models with an appropriate adapter.

2. SAFETY INFORMATION

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

- Installation must be performed by a qualified electrician in accordance with all local electrical codes and/or the National Electrical Code (NEC).
- Do not attempt to open, disassemble, or modify the charger. There are no user-serviceable parts inside.
- Ensure the charger is properly grounded.
- Do not use the charger if the cable or connector is damaged, frayed, or shows any signs of wear.
- Keep children and pets away from the charging area during operation.
- Do not immerse the charger or its components in water or other liquids.
- Operate the charger only within its specified voltage and current ratings.

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- Siemens VersiCharge™ AC Series EV Charger Unit
- Integrated 20 ft. Charging Cable with J1772 Connector
- NEMA 6-50 Plug
- Mounting Hardware (screws, anchors)
- User Manual (this document)
- Installation Template

4. SETUP AND INSTALLATION

Important: Installation should only be performed by a qualified electrician. Ensure power is disconnected at the circuit breaker before beginning installation.

4.1 Site Selection

- Choose a location that is dry, well-ventilated, and protected from direct sunlight and extreme weather conditions if possible.
- Ensure the mounting surface is structurally sound and can support the weight of the charger (approximately 17 pounds).
- The charger can be installed indoors or outdoors.
- Ensure the 20 ft. cable can comfortably reach the vehicle's charging port.

4.2 Mounting the Charger

1. Use the provided installation template to mark the drilling locations on the wall.
2. Drill pilot holes according to the template.
3. Secure the mounting bracket (if separate) or the charger directly to the wall using the supplied mounting hardware. Ensure it is level and securely fastened.





Figure 4.2.1: Front view of the Siemens VersiCharge EV charger, ready for use.





Figure 4.2.2: Side view of the Siemens VersiCharge EV charger, showing cable routing.

4.3 Electrical Connection (NEMA 6-50 Plug)

- The charger comes equipped with a NEMA 6-50 plug. Ensure you have a dedicated 208/240V, 50A circuit with a NEMA 6-50 receptacle installed by a qualified electrician.
- Plug the charger's NEMA 6-50 plug into the dedicated receptacle.
- Verify the circuit breaker for the receptacle is in the OFF position before plugging in, then switch it to the ON position after connection.





Figure 4.3.1: Detailed side view showing the NEMA 6-50 plug connection.

4.4 Wi-Fi Setup and App Connection

The VersiCharge™ is Wi-Fi enabled for remote access and smart features. Refer to the separate Siemens VersiCharge App Guide for detailed instructions on connecting your charger to your home Wi-Fi network and setting up the mobile application. The app allows for:

- Remote monitoring of charging status.
- Controlling energy usage.
- Scheduling delayed and planned charging sessions.

5. OPERATING INSTRUCTIONS

The Siemens VersiCharge™ EV charger is designed for straightforward operation.

5.1 Starting a Charging Session

1. Ensure the charger is powered on and the indicator lights are active.
2. Take the J1772 connector from its holster.
3. Insert the J1772 connector firmly into your electric vehicle's charging port. For Tesla vehicles, use the appropriate Tesla J1772 adapter.
4. The charger will communicate with the vehicle, and charging will begin automatically. The indicator lights on the charger will change to reflect the charging status.





Figure 5.1.1: Front view of the Siemens VersiCharge EV charger with indicator lights.

5.2 Stopping a Charging Session

1. Most vehicles allow you to stop charging from within the vehicle's infotainment system or by pressing a button near the charging port.
2. Alternatively, you can stop charging via the Siemens VersiCharge mobile app.
3. Once charging has stopped, press the release button on the J1772 connector and carefully remove it from the vehicle's charging port.
4. Return the J1772 connector to its holster on the charger unit.

5.3 Indicator Lights

The charger features indicator lights on its front panel to communicate its status. Refer to the table below for common light patterns and their meanings:

Light Pattern	Status
Solid Green	Ready to charge / Fully charged
Flashing Green	Charging in progress
Solid Blue	Connected to Wi-Fi / Standby
Solid Red	Fault / Error (refer to troubleshooting)
No Lights	No power

6. MAINTENANCE

The Siemens VersiCharge™ EV charger requires minimal maintenance to ensure optimal performance and longevity.

- **Cleaning:** Periodically wipe the exterior of the charger with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals. Ensure the charger is powered off before cleaning.
- **Cable and Connector Inspection:** Regularly inspect the charging cable and J1772 connector for any signs of damage, fraying, cracks, or discoloration. If any damage is observed, discontinue use immediately and contact customer support.
- **Storage:** When not in use, always return the J1772 connector to its holster to protect it from dirt, moisture, and physical damage.

7. TROUBLESHOOTING

If you encounter issues with your VersiCharge™ EV charger, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
Charger has no power (no lights)	No power from outlet; Circuit breaker tripped.	Check the NEMA 6-50 outlet for power. Reset the circuit breaker. Ensure the plug is fully inserted.

Problem	Possible Cause	Solution
Vehicle not charging (Solid Green light, but no charge)	Connector not fully inserted; Vehicle not ready to charge; Vehicle charging settings.	Ensure the J1772 connector is fully seated. Check your vehicle's charging settings. Try unplugging and re-plugging the connector.
Solid Red light	Internal fault; Overcurrent/Overvoltage; Ground fault.	Disconnect the charger from power for 5 minutes, then reconnect. If the error persists, contact Siemens customer support. Do not attempt to repair.
Wi-Fi connectivity issues	Weak Wi-Fi signal; Incorrect Wi-Fi password; Router issues.	Ensure the charger is within Wi-Fi range. Verify Wi-Fi password in the app. Restart your router. Refer to the Siemens VersiCharge App Guide.
App not working correctly	App glitch; Outdated app version; Phone connectivity.	Close and reopen the app. Check for app updates. Ensure your phone has internet access.

If the problem persists after attempting these solutions, please contact Siemens customer support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Model Number	8EM13124CF180FA3
Input Voltage	208/240V AC
Amperage	40 Amps
Wattage	9.9 kW
Output Voltage	2.4E+2 Volts (DC) - <i>Note: This seems to be a typo in the source data, typically AC chargers output AC. Assuming it means 240V AC.</i>
Cable Length	20 ft.
Plug Type	NEMA 6-50
Connector Type	J1772 (Type 1)
Connectivity	Wi-Fi enabled
Special Features	Intelligent Adaptive Charging speed
Dimensions (L x W x H)	3.78 x 7.09 x 16.1 inches
Item Weight	17 pounds
Color	Silver/Black

Feature	Detail
Installation Environment	Indoor/Outdoor

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or visit the official Siemens website. Siemens offers various protection plans for extended coverage, which can be purchased separately. For technical support, troubleshooting assistance, or to inquire about service, please contact Siemens customer support. Contact information can typically be found on the Siemens website or on the product packaging.

Online Resources:

- Siemens Official Website: www.siemens.com
- Siemens Store on Amazon: [Visit the SIEMENS Store](#)