

SIEMENS US2:VC30GRYU

Siemens VersiCharge Universal EV Charger (Model US2:VC30GRYU)

Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Siemens VersiCharge Universal EV Charger, Model US2:VC30GRYU. This Level 2 charger is designed to provide faster charging for electric vehicles compatible with the J1772 standard, including Tesla vehicles with an appropriate adapter.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock. Improper installation or use can result in serious injury or death.

- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not attempt to open or modify the charger unit. There are no user-serviceable parts inside.
- Ensure the charging cable and connector are free from damage before each use. Do not use if damaged.
- Keep children and pets away from the charging area during operation.
- Always disconnect the charger from the vehicle before attempting any maintenance or cleaning.

3. PRODUCT OVERVIEW

The Siemens VersiCharge Universal EV Charger offers a robust and user-friendly solution for electric vehicle charging. Key features include:

- **Faster Charging:** Provides 30 Amps at 240V (Level 2), offering significantly quicker charging times compared to standard 120V (Level 1) chargers.
- **Easy Setup:** Includes a convenient mounting bracket, a 20-foot charging cable, and a NEMA 6-50 plug for compatibility with common dryer outlets.
- **Flexible Control:** Features built-in pause and delay functions (2/4/6/8 hours) on the front panel, allowing users to schedule charging during off-peak hours.

- **Durable Design:** Constructed for indoor or outdoor use, with an operating temperature range of -30°C to +50°C.
- **Universal Compatibility:** Works with all J1772 compliant electric vehicles and Tesla vehicles when used with Tesla's charging adapter.





Figure 3.1: Siemens VersiCharge Universal EV Charger with its charging cable and NEMA 6-50 plug.

4. SETUP AND INSTALLATION

The Siemens VersiCharge Universal EV Charger is designed for straightforward installation. However, due to the electrical requirements, **professional installation by a certified electrician is strongly recommended** to ensure safety and compliance with all electrical codes.

4.1 Mounting the Charger

Select a suitable location for mounting the charger, ensuring it is within reach of your vehicle's charging port and a NEMA 6-50 outlet. The unit can be installed indoors or outdoors. Use the provided mounting bracket and hardware to securely attach the charger to a sturdy surface.



Figure 4.1: Example installation of the Siemens VersiCharge EV Charger in a garage environment.

4.2 Electrical Connection

The charger comes equipped with a NEMA 6-50 plug. Ensure you have a dedicated 240V circuit with a NEMA 6-50 receptacle installed by a qualified electrician. Alternatively, the unit can be hard-wired directly

into your electrical system by a professional.

4.3 Charging Cable Management

The 20-foot charging cable provides ample reach. When not in use, the J1772 connector can be securely stored in the charger's holster to keep it off the ground and protected from elements.





Figure 4.2: Detailed view of the J1772 charging connector.

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Video 4.1: Demonstration of the Siemens VersiCharge EV Charger's features, including its installation and use for charging an electric vehicle. This video highlights the ease of plugging in and the unit's delay functions.

5. OPERATING INSTRUCTIONS

Operating your VersiCharge EV Charger is simple and intuitive.

5.1 Initiating a Charge

1. Ensure the charger is properly connected to a power source.
2. Open your vehicle's charging port.
3. Insert the J1772 connector firmly into your vehicle's charging port until it clicks into place.
4. The charger will automatically begin charging, indicated by a green light on the unit.

5.2 Using Delay Functions

The VersiCharge allows you to delay the start of charging to take advantage of off-peak electricity rates. The front panel features buttons for 2, 4, 6, or 8-hour delays.

1. After plugging the connector into your vehicle, press the desired delay button on the charger's front panel.
2. The corresponding indicator light will illuminate, and charging will commence after the selected delay period.

5.3 Pausing and Stopping a Charge

- To pause an active charge, press the 'Pause' button on the front panel.
- To stop charging and remove the connector, ensure the vehicle is not actively charging (either paused or completed). Press the release button on the J1772 connector and pull it out from the vehicle's port.



Figure 5.1: The control panel of the VersiCharge unit, showing power, delay, and status indicators.

6. MAINTENANCE

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

- **Regular Cleaning:** Periodically wipe down the exterior of the charger and the charging cable with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspect Cable and Connector:** Before each use, visually inspect the charging cable and J1772 connector for any signs of wear, cuts, fraying, or damage. If any damage is observed, discontinue use and contact customer support.
- **Storage:** When not in use, always store the J1772 connector in its designated holster to protect it from dirt, moisture, and physical damage.

7. TROUBLESHOOTING

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

- **No Power/No Indicator Lights:**
 - Check the circuit breaker for the dedicated 240V circuit. Ensure it is in the 'ON' position.
 - Verify that the NEMA 6-50 plug is fully inserted into the outlet.
- **Charger Not Initiating Charge:**
 - Ensure the J1772 connector is fully and securely inserted into the vehicle's charging port.
 - Check your vehicle's dashboard or charging status indicator for any error messages.
 - If a delay function is active, wait for the programmed delay to expire.
- **Slow Charging:**
 - Confirm your vehicle is set to accept the maximum charging rate from a Level 2 charger.
 - Ensure there are no other high-power appliances on the same circuit (if not a dedicated circuit, which is recommended).
- **Error Indicator Light:**
 - If an error light illuminates, disconnect the charger from the vehicle and the power source for a few minutes, then reconnect. If the error persists, contact customer support.

For persistent issues or concerns not addressed here, please contact Siemens customer support.

8. SPECIFICATIONS

Attribute	Value
Model Number	US2:VC30GRYU
Part Number	VC30GRYU
Manufacturer	Siemens
Charging Level	Level 2
Amperage	30 Amps

Voltage	208V / 240V
Connector Type	J1772
Plug Type	NEMA 6-50
Cable Length	20 feet
Operating Temperature	-30°C to +50°C
Dimensions (Item)	14.5 W x 16.0 H x 6.5 D inches
Weight (Item)	15 pounds
Material	New
Style	Indoor/Outdoor with 20-Foot Cord

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Siemens VersiCharge Universal EV Charger comes with an industry-leading 3-year warranty. This warranty covers defects in materials and workmanship under normal use and service. Please retain your proof of purchase for warranty claims.

Note: Warranty may not be honored if purchased from an unauthorized reseller. Always purchase from authorized Siemens distributors or retailers.

9.2 Customer Support

For technical assistance, warranty inquiries, or further information, please visit the official Siemens website or contact their customer support directly. Ensure you have your product model number (US2:VC30GRYU) and proof of purchase available when contacting support.

You can find more information and support resources by visiting the [SIEMENS Store on Amazon](#).