EV-T2S-16A

User Manual

Electrical Car 16A Type 2 Charging Side Plug to Schuko Socket EV Charging Adapter

Model: EV-T2S-16A

1. Introduction

This manual provides essential information for the safe and effective use of your Electrical Car 16A Type 2 Charging Side Plug to Schuko Socket EV Charging Adapter. Please read this manual thoroughly before operation and retain it for future reference.

2. Safety Information

- **Electrical Hazard:** Always ensure the adapter and charging station are dry before connecting. Do not use if the adapter or cable is damaged.
- **Proper Use:** This adapter is designed for connecting an EV with a Type 2 inlet to a Schuko socket for charging. Do not use for purposes other than its intended design.
- **Voltage and Current:** Ensure the charging station's voltage and current output are compatible with the adapter's specifications (16A, 110-230V AC).
- **Disconnection:** To unplug the adapter from the charging station, you must stop the charging process manually at the station first.
- **Temperature:** Avoid operating the adapter outside the specified temperature range of -30C to 50C.

3. Product Overview

The EV charging adapter facilitates connection between an electric vehicle with a Type 2 charging inlet and a standard Schuko power outlet for charging. It is designed for durability and safe operation.

Figure 3.1: Overview of the Electrical Car 16A Type 2 to Schuko EV Charging Adapter. This image shows the complete adapter unit, featuring the Type 2 plug on one end and the Schuko socket on the other, connected by a durable cable.

Figure 3.2: Key components of the Type 2 to Schuko adapter. This image highlights the Type 2 plug, the Schuko socket, and the cable, indicating its 0.5-meter length and 16A, 1-phase rating.

Figure 3.3: Detailed view of the Type 2 plug and Schuko socket, showing internal components. The image points out the copper alloy, silver-plated contact pins, the rubber lid for protection, and the TUV AC cable specifications (3*2.5mm2 + 2*0.5mm2).

4. Setup

Before setting up, ensure your electric vehicle and the charging environment are suitable for this adapter.

1. **Inspect the Adapter:** Before each use, visually inspect the adapter for any signs of damage, cracks, or frayed cables. Do not use if damaged.
2. **Prepare the Vehicle:** Ensure your electric vehicle's charging port is clean and free of debris.
3. **Prepare the Power Source:** Ensure the Schuko socket you intend to use is properly grounded and rated for 16A, 110-230V AC.

5. Operating Instructions

Follow these steps to safely charge your electric vehicle using the adapter:

1. **Connect to Charging Station (EV Inlet):** Insert the Type 2 plug of the adapter firmly into your electric vehicle's Type 2 charging inlet. Ensure it clicks into place if your vehicle's system supports locking.

2. **Connect to Power Outlet:** Insert the Schuko plug from your EV charger (or the vehicle's charging cable if it has a Schuko plug) into the Schuko socket of the adapter. Then, plug the Schuko end of the adapter into a compatible wall socket.
3. **Initiate Charging:** Follow your vehicle's instructions to begin the charging process. Monitor the charging status.
4. **Stop Charging:** Before disconnecting, always stop the charging process manually at the charging station or through your vehicle's interface.
5. **Disconnect:** Once charging is stopped, first disconnect the Schuko plug from the wall socket, then disconnect the Schuko plug from the adapter, and finally, remove the Type 2 plug from your vehicle's inlet.

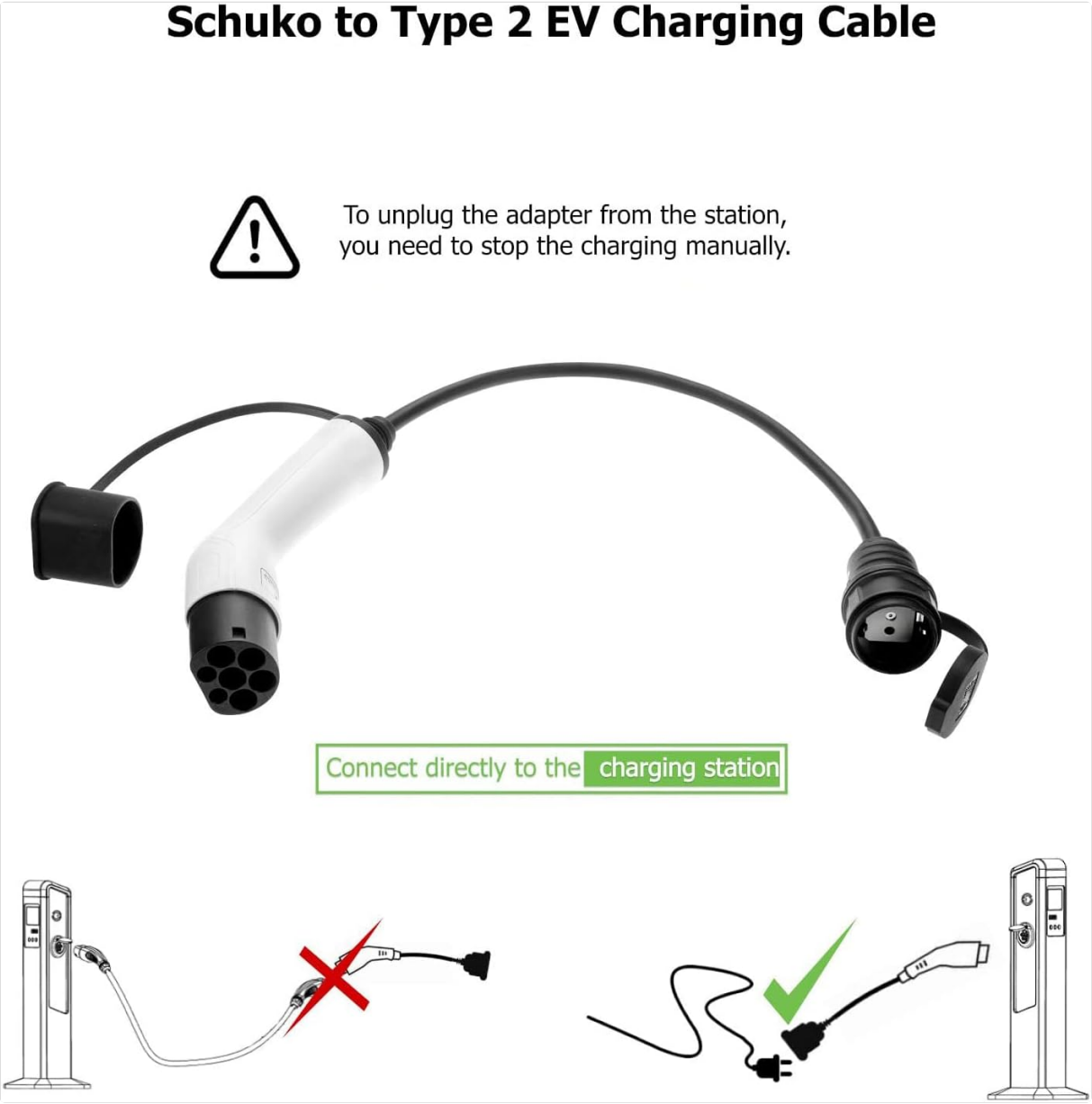


Figure 5.1: Diagram illustrating the correct connection method for the Schuko to Type 2 EV charging cable. It emphasizes the need to stop charging manually before unplugging and shows the adapter connecting directly to the charging station (vehicle's Type 2 inlet).

Figure 5.2: Visual guide on connecting the Type 2 plug to the EV charging station's inlet and the Schuko socket to a Schuko plug. This image clarifies the physical connection points for the adapter.

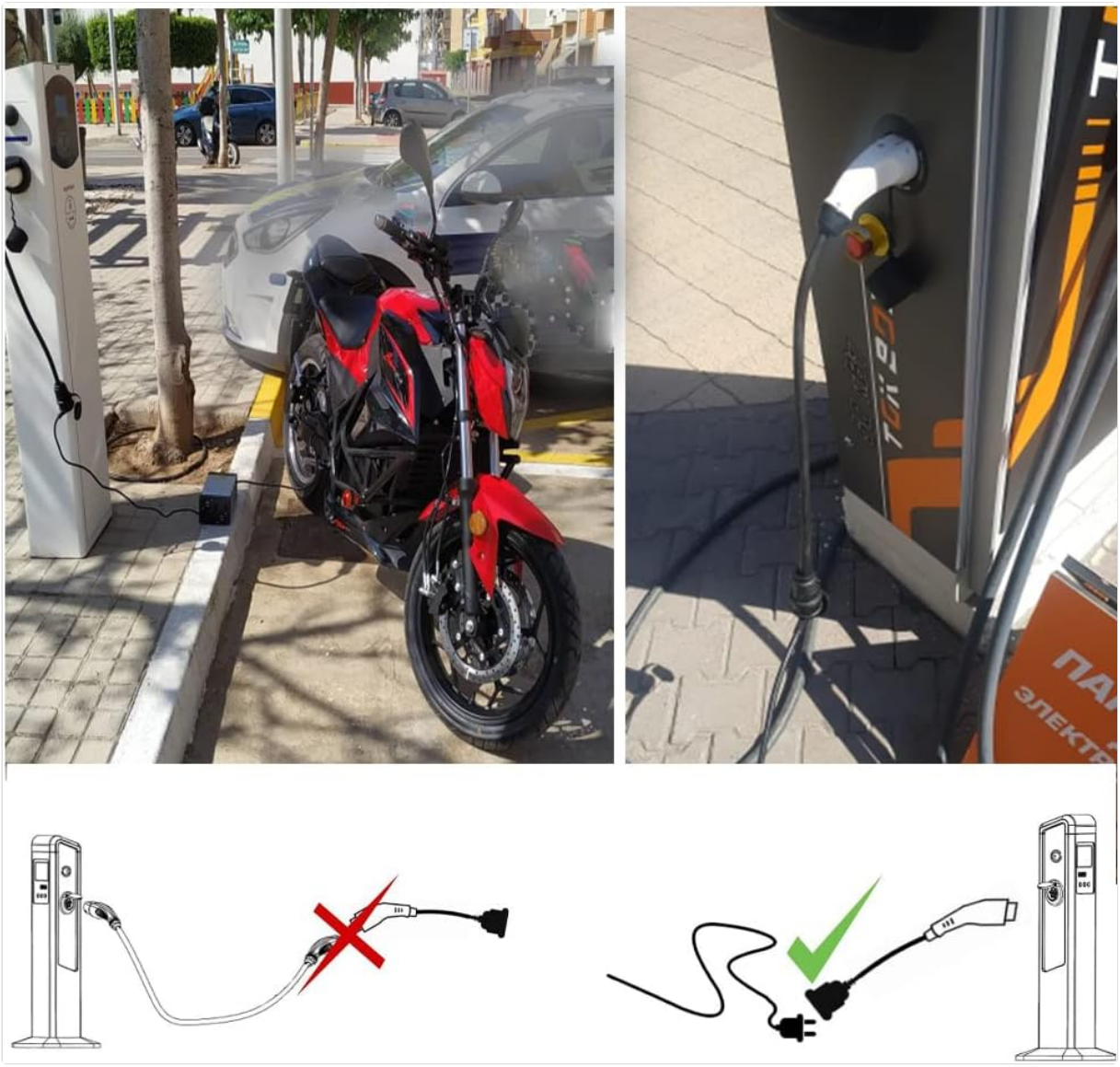


Figure 5.3: Examples of the adapter in use for EV charging. The image shows both correct and incorrect connection methods, emphasizing the proper way to connect the adapter for charging.

6. Maintenance

Proper maintenance ensures the longevity and safe operation of your adapter.

- **Cleaning:** Clean the adapter with a dry, soft cloth. Do not use abrasive cleaners or solvents. Ensure all contacts are free of dust and debris.
- **Storage:** Store the adapter in a dry, cool place, away from direct sunlight and extreme temperatures. Keep the protective caps on the connectors when not in use.
- **Inspection:** Regularly inspect the cable and connectors for any signs of wear, cuts, or damage. If any damage is found, discontinue use immediately and replace the adapter.

7. Troubleshooting

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

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Vehicle not charging	Adapter not fully connected; Charging station not activated; Vehicle charging system error; Power outlet issue.	Ensure all connections are secure; Activate charging at the station/vehicle; Check vehicle manual; Test power outlet with another device.
Adapter feels hot during charging	Normal operation (slight warmth); Overload; Damaged adapter.	Slight warmth is normal. If excessively hot, stop charging immediately. Check for proper voltage/current match. Discontinue use if damaged.
Cannot disconnect adapter	Charging process still active; Connector lock engaged.	Ensure charging is manually stopped at the station/vehicle. Check if vehicle's charging port has a lock mechanism.

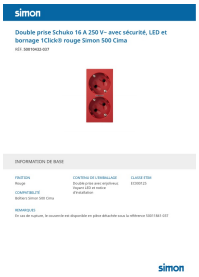
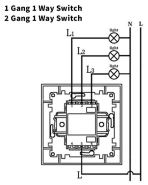
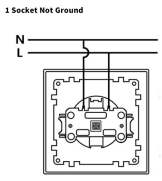
8. Specifications

Feature	Specification
Rated Current	16 Amp
Operation Voltage	110-230V AC
Maximum Power	3.5KW
IP Grade	IP54
Operating Temperature	-30C to 50C
Mating Cycles	10,000
Shell Material	Thermo Plastic
Contact Pin Material	Copper alloy, silver or nickel plating
Sealing Gasket	Rubber or silicon rubber
Product Dimensions	31.5 x 3.94 x 3.94 inches
Item Weight	1.54 pounds (0.7 kg)

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the manufacturer directly. Keep your proof of purchase for warranty claims.

Related Documents - EV-T2S-16A

	[Simon 100 Euro-American Plug | Shiny White | Technical Specifications] Detailed technical specifications, installation details, and logistics information for the Simon 100 Euro-American plug, shiny white. Features include Schuko format, IP20 rating, 16A current, 250V voltage, and compliance with RoHS and IEC standards.
	[Simon 270 Titanium Schuko Socket - 16A 250V~ with Screw Connection | Technical Data] Comprehensive technical specifications, basic features, installation and maintenance guidance, and logistical details for the Simon 270 Titanium Schuko clean socket. Features 16A 250V~ rating, screw terminal connection, IP20 rating, and compliance with various EU directives and standards.
	[Double Prise Schuko Simon 500 Cima 16A 250V~ Rouge avec Sécurité, LED et Connexion 1Click®] Fiche technique complète pour la Double Prise Schuko Simon 500 Cima (RÉF. 50010432-037). Spécifications techniques, informations d'installation, de maintenance, réglementations et logistiques pour ce modèle rouge avec sécurité, indicateur LED et connexion 1Click®.
	[WESA EP-06-BM Wood Power Socket User Manual] User manual for the WESA EP-06-BM, a 16A EU Standard electrical wall socket with ground, embedded plug design, and flame retardant plastic panel.
	[WESA Electrical Sockets: Installation and Wiring Diagrams] Comprehensive guide to installing WESA electrical sockets, featuring wiring diagrams for single and double sockets, with and without grounding, and French standard models. Details include 16A EU standard compatibility and flame-retardant materials.
	[CILIA SQ-GBK-01/02 2-Way Adapter with Switch - User Guide] Detailed specifications, safety precautions, and usage instructions for the CILIA SQ-GBK-01/02 2-Way Adapter with Switch, a 250V AC, 16A electrical adapter designed for safe and convenient power distribution.