

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

Manuals.plus /

› [Sekelo](#) /

› Sekelo NEMA 10-30P to 14-50R EV Charger Adapter Cord User Manual

Sekelo SK032

Sekelo NEMA 10-30P to 14-50R EV Charger Adapter Cord User Manual

Model: SK032

INTRODUCTION

This manual provides essential information for the safe and effective use of your Sekelo NEMA 10-30P to 14-50R EV Charger Adapter Cord. This adapter is designed to enable Level 2 Electric Vehicle (EV) charging from an existing NEMA 10-30P 3-prong dryer outlet. Please read all instructions carefully before use to ensure proper operation and safety.



Image: The Sekelo EV Charger Adapter Cord in use, connecting an electric vehicle to a wall outlet for charging.

SAFETY INFORMATION

Adherence to the following safety guidelines is crucial to prevent electrical hazards, property damage, or personal injury.

- **EV Charging Only:** This adapter is designed exclusively for Electric Vehicle (EV) charging. It is **not** intended for use with Recreational Vehicles (RVs) or other household appliances.
- **Outlet Compatibility:** Connect the NEMA 10-30P male plug only to 3-pole, 3-wire, non-grounded older dryer outlets.
- **NEMA 14-50R Configuration:** The NEMA 14-50R female receptacle on this adapter is specifically wired for EV charging, providing two hot lines and a ground connection. It does **not** provide a neutral connection. This configuration is safe for EV mobile connectors that require two hot lines and a ground. Do **not** connect any equipment that requires a neutral connection to this adapter.
- **Maximum Safe Charging Rate:** The maximum safe continuous charging rate for this adapter is **24 Amps**. Exceeding this limit may cause overheating of the adapter, outlet, or wiring, posing a significant safety hazard.
- **Circuit Breaker Rating:** Always ensure the circuit breaker protecting your NEMA 10-30P outlet is

rated for at least 30 Amps. For continuous loads like EV charging, it is recommended to limit the charging current to 80% of the circuit breaker's rating (e.g., 24A for a 30A circuit).

- **Electrical Shock Hazard:** Avoid touching the metal prongs of the adapter or any connected plugs when inserting or removing them from outlets or devices. Ensure hands are dry during connection and disconnection.
- **Inspection:** Before each use, inspect the adapter cord for any signs of damage, cuts, fraying, or discoloration. Do not use if damaged.
- **Ventilation:** Ensure adequate ventilation around the adapter and charging equipment during use to prevent heat buildup.
- **Certification:** Please note that this product may not carry specific third-party safety certifications such as UL. Exercise additional caution and monitor the adapter for any signs of overheating during initial and prolonged use.

PRODUCT FEATURES

- **NEMA 10-30P Male Plug:** Connects to standard 3-prong household dryer outlets.
- **NEMA 14-50R Female Receptacle:** Provides a connection point for your EV charging cable.
- **Electrical Rating:** Heavy-duty design with a maximum overload capacity of 30 amps, rated voltage of 250V, and a maximum power output of 7500 watts.
- **High Performance Cable:** Constructed with 10AWG pure copper wire for excellent conductivity and efficient power transfer.
- **Durable Construction:** Features a flame-retardant, thermoplastic PVC sheath that protects the cable from outdoor elements and ensures long-lasting durability. The weather-resistant thermoplastic jacket provides reliable performance in various conditions.
- **Flexibility:** The stranded copper wire design offers high flexibility, allowing the 13-inch cord to bend up to 180 degrees without wear or damage, suitable for various charging setups.
- **Molded Plugs:** Equipped with molded plugs for enhanced safety and durability compared to assembled plugs.

CHARGING ADAPTER CABLE



Excellent Conductivity



Safe



Long-term Durability



Easy To Hold



Image: A detailed view of the Sekelo EV Charger Adapter Cord, highlighting its robust construction and easy-to-hold design.

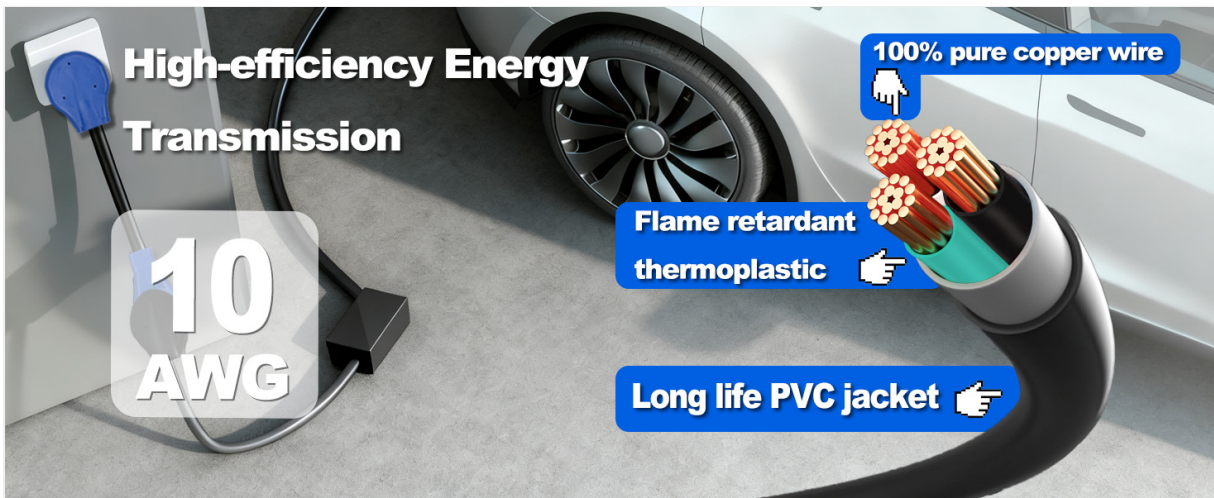


Image: An illustration showing the internal composition of the adapter cable, featuring 10 AWG pure copper wire, flame-retardant thermoplastic, and a long-life PVC jacket for durability and safety.

SETUP

The Sekelo EV Charger Adapter Cord is designed for simple, tool-free installation.

1. **Identify Compatible Outlet:** Locate an old-style 3-prong NEMA 10-30R dryer outlet in your home. Ensure it is in good condition and the circuit breaker is rated for at least 30 Amps.
2. **Connect Adapter to Outlet:** Firmly insert the NEMA 10-30P male plug of the adapter into the NEMA 10-30R dryer outlet. Ensure a snug and secure connection.
3. **Connect EV Charger:** Plug your Electric Vehicle's charging cable (which typically has a NEMA 14-50P plug) into the NEMA 14-50R female receptacle of the adapter.
4. **Verify Connection:** Double-check that both connections are fully seated and secure before proceeding with charging.



Image: The NEMA 10-30P male plug of the adapter being connected to an old-style 3-prong NEMA 10-30R dryer outlet.

OPERATING INSTRUCTIONS

Once the adapter is properly connected, you can begin charging your EV.

1. **Initiate Charging:** Follow the instructions for your specific EV and charging cable to begin the charging process.
2. **Set Charging Current:** It is critical to set your EV's charging current to a maximum of **24 Amps**.

Most EV chargers allow you to adjust the charging current. Refer to your EV charger's manual for instructions on how to do this. Exceeding 24 Amps can lead to overheating and potential damage.

- 3. Monitor During Initial Use:** During the first few charging sessions, periodically check the adapter and the wall outlet for any signs of excessive heat. A slight warmth is normal, but if the adapter or outlet feels hot to the touch, immediately discontinue use and consult a qualified electrician.
- 4. Charging Completion:** Once charging is complete, disconnect your EV charging cable from the adapter, then carefully remove the adapter from the wall outlet.

MAINTENANCE

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

- Regular Inspection:** Periodically inspect the entire cord, including the plugs and receptacle, for any signs of wear, damage, cracks, or corrosion.
- Cleaning:** If necessary, clean the adapter with a dry, soft cloth. Do not use liquid cleaners or immerse the adapter in water. Ensure the adapter is unplugged and completely dry before use.
- Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures when not in use. Avoid kinking or tightly coiling the cord.
- Avoid Overloading:** Never attempt to draw more than the rated 24 Amps continuous current through the adapter.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Adapter or outlet feels hot during charging.	Charging current exceeds 24 Amps; loose connection; faulty outlet/wiring.	Immediately stop charging. Reduce EV charging current to 24 Amps or less. Ensure connections are secure. If problem persists, consult a qualified electrician to inspect the outlet and wiring.
EV is not charging.	Adapter not fully plugged in; EV charger not connected; circuit breaker tripped; EV charger fault.	Ensure all connections are secure. Check your home's electrical panel for a tripped circuit breaker and reset if necessary. Refer to your EV charger's manual for troubleshooting.
Adapter appears damaged.	Physical damage to the cord or plugs.	Discontinue use immediately. Do not attempt to repair. Replace the adapter.

SPECIFICATIONS

Specification	Detail
Model Number	SK032
Brand	Sekelo

Specification	Detail
Connector Gender	Male-to-Female
Male Plug Type	NEMA 10-30P (3-prong dryer plug)
Female Receptacle Type	NEMA 14-50R (50A EV charging)
Input Current	30 Amps (Max Overload Capacity)
Maximum Safe Charging Rate	24 Amps (Continuous)
Voltage	250 Volts
Wattage	7500 Watts (Max Power Output)
Gauge	10 AWG (American Wire Gauge)
Item Length	13 Inches
Material	PVC, Copper
Color	BLUE

Product Dimensions



Specifications

Heavy-Duty STW 10 Gauge

Material

Rated voltage

250V

**PVC
Copper**

Image: The Sekelo EV Charger Adapter Cord illustrating its 13-inch length and key specifications.

WARRANTY AND SUPPORT

For warranty information or technical support regarding your Sekelo NEMA 10-30P to 14-50R EV Charger Adapter Cord, please refer to the product packaging or contact Sekelo customer service directly. Contact details can typically be found on the manufacturer's website or through your point of purchase.