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MEGEAR Skysword II Level 1 EV Charger J1772 NEMA 5-15P

MEGEAR Skysword II Level 1 EV Charger User Manual

Model: Skysword II Level 1 EV Charger J1772 NEMA 5-15P

1. Introduction

This manual provides essential information for the safe and efficient operation of your MEGEAR Skysword II Level 1 EV Charger. This portable charging station is designed for electric vehicles compatible with the J1772 standard, offering a convenient and reliable charging solution for home use. Please read this manual thoroughly before using the product.



Image 1.1: The MEGEAR Skysword II Level 1 EV Charger, featuring its J1772 connector and NEMA 5-15 plug.

2. Safety Information

Your safety is paramount. The MEGEAR Skysword II EV Charger incorporates multiple protection features to ensure safe operation. Adhere to all local electrical codes and safety guidelines during installation and use.

- **Lightning Protection:** Designed to withstand lightning strikes.

- **Leakage Protection:** Prevents electrical leakage.
- **Overvoltage Protection:** Safeguards against excessive voltage.
- **Overheat Protection:** Monitors and prevents overheating.
- **Overcurrent Protection:** Protects against excessive current.
- **IP55 Waterproof Rating:** Ensures protection against dust and low-pressure water jets, suitable for indoor and outdoor use.
- **UL94V-0 Flame Resistance:** Materials meet high flame resistance standards.

Always ensure the charging cable is not damaged before use. Do not use if any part of the charger or cable is compromised.



Image 2.1: Visual representation of the seven integrated safety protection systems.

3. Product Features

The MEGEAR Skysword II Level 1 EV Charger is engineered for convenience and performance:

- **Universal Compatibility:** Compatible with all major Electric Vehicles that meet the J1772 standard.
- **Faster Level 1 Charging:** Charges up to 2 times faster than standard vehicle chargers, providing approximately 8 miles of range per hour.
- **Durable Design:** IP55 waterproof rating and robust construction for reliable indoor and outdoor use in various climates (operating temperature range: -22°F to 122°F / -30°C to 50°C).
- **Informative LED Indicators:** The control box features LED indicators to display the charging status, including Power, Fault, Charge, and AC Output.
- **Portable and Convenient:** Lightweight and designed for easy transport and storage.



Image 3.1: The charger's suitability for indoor and outdoor use across different climates, emphasizing its IP65 rating and temperature resistance.



Image 3.2: Illustrates the charger's compatibility with SAE J1772 electric vehicles and standard NEMA 5-15 household outlets.

4. Setup Instructions

Setting up your MEGEAR Skysword II EV Charger is straightforward:

1. **Locate a Suitable Outlet:** Identify a standard NEMA 5-15R or 5-20R socket. Ensure the outlet is in good condition and properly grounded.
2. **Plug in the Charger:** Insert the NEMA 5-15P plug of the EV charger into the wall outlet. The 'Power' indicator on the control box should illuminate.
3. **Connect to Vehicle:** Open your electric vehicle's charging port and firmly insert the J1772 connector. Ensure it clicks into place.
4. **Verify Connection:** The 'Charge' indicator on the control box should light up, indicating that charging has begun.

Note: If the charger requires unplugging and replugging to initiate charging, this is a built-in protection function to prevent risks associated with the plug being powered on for extended periods without active charging.



Image 4.1: A user demonstrating the simple plug-in process for the EV charger.

5. Operating Instructions

Once connected, the charger will automatically begin charging your vehicle. Monitor the LED indicators on the control box for status updates:

- **Power (Green LED):** Indicates the charger is receiving power.
- **Fault (Red LED):** Indicates an error. Refer to the Troubleshooting section.
- **Charge (Green LED):** Indicates active charging.
- **AC Output (Green LED):** Indicates power is being delivered to the vehicle.

Charging will automatically stop when your vehicle's battery is full. To disconnect, press the release button on the J1772 connector and pull it out from the vehicle's charging port. Then, unplug the charger from the wall outlet.

▶ **Watch video online**
MEGEAR Skysword Level 1 Charger! Must Have for Home/Travel!

Video 5.1: An informational video demonstrating the MEGEAR Skysword Level 1 Charger, highlighting its features and ease of use for home and travel.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your EV charger:

- **Cleaning:** Wipe the charger and cables with a dry, clean cloth. Do not use abrasive cleaners or solvents. Ensure the connectors are free from dust and debris.
- **Storage:** When not in use, store the charger in a dry, cool place. Avoid direct sunlight and extreme temperatures. Coil the cable neatly to prevent kinks or damage.
- **Inspection:** Periodically inspect the cable, plug, and connector for any signs of wear, cuts, or damage. If damage is found, discontinue use immediately and contact customer support.

7. Troubleshooting

If you encounter issues with your MEGEAR Skysword II EV Charger, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Charger not starting / No LED indicators	No power from outlet, loose connection, or internal fault.	Ensure the NEMA 5-15P plug is fully inserted into a working outlet. Try a different outlet. If the issue persists, unplug and replug the charger to reset its protection function.
Fault LED is illuminated	Indicates a safety protection mechanism has been triggered (e.g., overvoltage, overcurrent, overheat, leakage).	Disconnect the charger from both the vehicle and the power outlet. Wait a few minutes, then reconnect. If the fault persists, contact customer support. Check for visible damage to the cable or connectors.
Charging is slow or intermittent	Vehicle charging settings, power fluctuations, or environmental factors (e.g., extreme heat).	Verify your vehicle's charging settings. Ensure the charger is not exposed to direct sunlight or extreme heat during operation. If the issue continues, contact customer support.
J1772 connector stuck in vehicle	Release mechanism issue or tight fit.	Ensure the vehicle is unlocked. Press the release button firmly while gently pulling the connector. Do not force it. If it remains stuck, consult your vehicle's manual or contact customer support.

If these steps do not resolve the issue, please contact MEGEAR customer support for further assistance.

8. Specifications

Specification	Detail
Model	Skysword II Level 1 EV Charger
Input Voltage	110V
Current	16A
Wattage	1.9 KW
Cable Length	25ft
Plug Type	NEMA 5-15P
Connector Type	J1772
Waterproof Rating	IP55
Item Weight	6.82 pounds
Package Dimensions	16.18 x 12.4 x 5 inches
Special Features	Charging Indicator

9. Warranty and Support

MEGEAR offers a **1-year warranty** for the Skysword II Level 1 EV Charger. Our local customer service team provides life-time hassle-free technical support. If you have any questions, concerns, or require assistance, please do not hesitate to reach out to us. We are committed to ensuring your complete satisfaction.
For support, please refer to the contact information provided with your product packaging or visit the official MEGEAR website.

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