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› [ShockFlo](#) /

› [ShockFlo S1 Level 2 EV Charger User Manual](#)

ShockFlo CS01

ShockFlo S1 Level 2 EV Charger User Manual

Model: CS01

[Introduction](#) [Safety Information](#)

[Package Contents](#)

[Setup & Installation](#)

[Operation](#)

[Maintenance](#) [Troubleshooting](#) [Specifications](#)

[Warranty & Support](#)

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the ShockFlo S1 Level 2 EV Charger. This device is designed to provide efficient electric vehicle charging for home use. Please read this manual thoroughly before using the product to ensure proper function and safety.



Figure 1: ShockFlo S1 Level 2 EV Charger overview.

2. SAFETY INFORMATION

The ShockFlo S1 EV Charger is designed with safety features and is UL certified. Adherence to the following safety guidelines is crucial for preventing injury and damage:

- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not attempt to open, disassemble, or modify the charger.
- Ensure the charging cable is not damaged before each use. Do not use if the cable or connector is frayed, broken, or exposed.
- Keep children and pets away from the charging area during operation.
- The charger is rated IP65 for water and dust resistance, suitable for indoor or outdoor use. However, avoid submerging the unit in water.
- The charger incorporates multiple protection mechanisms including lightning, current leakage, grounding, low-voltage, over-voltage, over-charge, over-heat, and over-current protection.

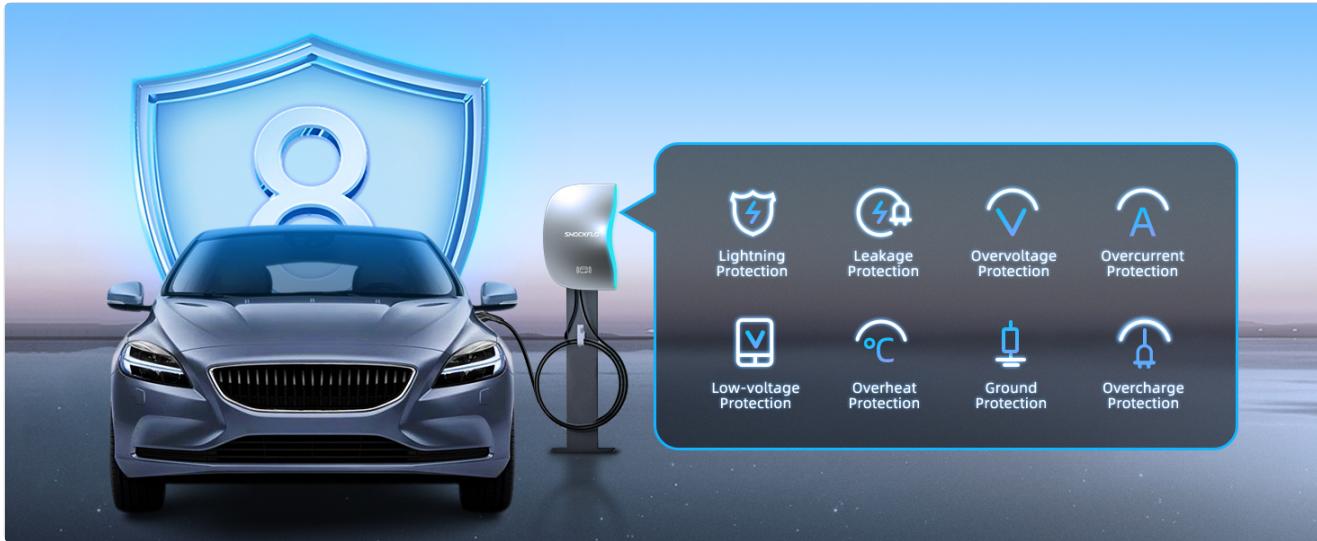


Figure 2: Integrated safety protection features.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- ShockFlo S1 Level 2 EV Charger Unit (40A)
- Mounting Bracket
- Mounting Screws and Anchors
- NEMA 14-50 Plug (pre-attached or separate, depending on model)
- RFID Cards (2x)
- User Manual
- Quick Installation Guide

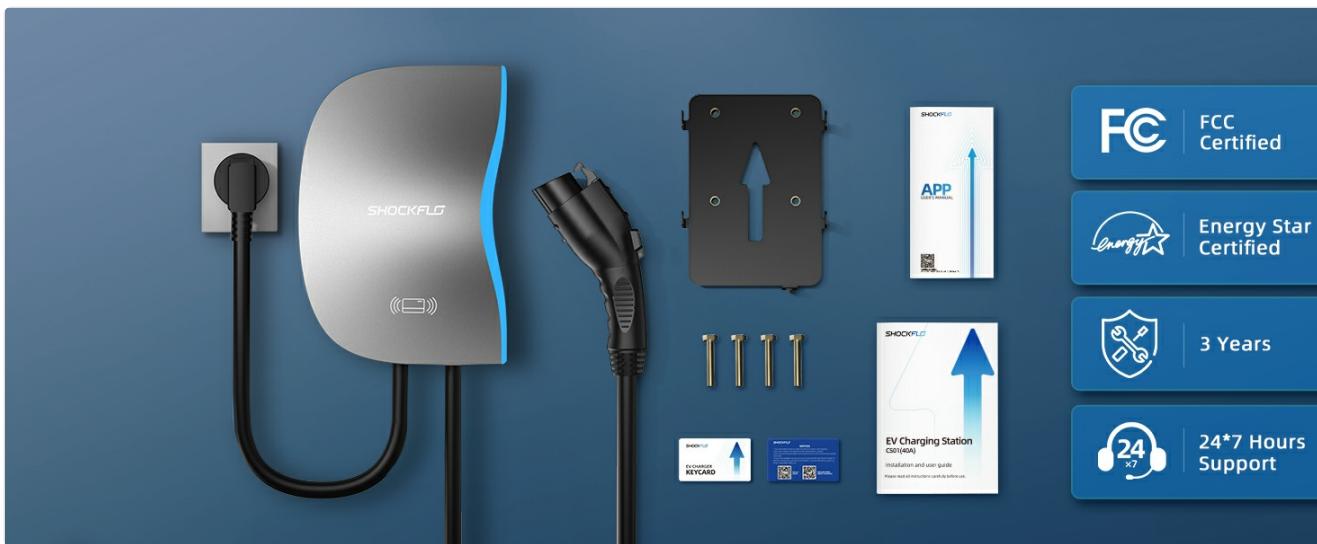


Figure 3: Package contents and certifications.

4. SETUP & INSTALLATION

The ShockFlo S1 EV Charger offers two installation options: NEMA 14-50 plug or hardwired. Professional installation by a certified electrician is recommended for both options to ensure compliance with electrical codes and safety standards.

4.1 Mounting the Charger

- Select Location:** Choose a suitable indoor or outdoor location near your parking area, ensuring the 17ft charging cable can reach your vehicle's charging port.
- Attach Mounting Bracket:** Securely attach the mounting bracket to a sturdy wall surface using the provided screws and anchors. For drywall, appropriate anchors (not included) may be required.
- Mount Charger Unit:** Carefully align and mount the EV charger unit onto the installed bracket.



Figure 4: Installation steps for the EV charger.

4.2 Electrical Connection

NEMA 14-50 Plug Option:

- Ensure a dedicated 240V NEMA 14-50 outlet is available and properly installed on a circuit rated for at least 50A.
- Plug the charger's NEMA 14-50 connector into the wall outlet.

Hardwired Installation Option:

- For hardwired installation, consult a qualified electrician. The charger must be connected to a dedicated 240V circuit with appropriate overcurrent protection.
- Follow the wiring diagrams provided in the full PDF user manual for correct hardwiring procedures.

5. OPERATION

5.1 Charging Modes

The ShockFlo S1 EV Charger supports three primary charging modes:

- App Remote Control:** Use the ShockFlo mobile application to manage charging sessions.
- RFID Card Charging:** Tap an authorized RFID card to start or stop charging.
- Plug & Charge:** Simply plug the connector into your EV to initiate charging (this setting can be enabled/disabled in the app).

3 Charging Modes.



App Remote Control (“WiFi” WiFi Ready)



RFID Card Charging



Plug & Charge

*Can be changed in App

Figure 5: Available charging modes.

5.2 Using the ShockFlo App

The ShockFlo app provides advanced control and monitoring features:

- **Remote Control:** Start and stop charging sessions from your smartphone.
- **Current Adjustment:** Adjust the charging current (e.g., 16A, 32A, 40A) to suit your vehicle's needs or household electrical capacity.
- **Schedule Charging:** Set specific times for charging, useful for utilizing off-peak electricity rates.
- **Monitor Charging:** View real-time charging status, energy consumption, and charging history.

Start/Stop Charging Remotely.



Figure 6: ShockFlo app features for remote control and scheduling.



Figure 7: Scheduling charging for off-peak hours via the app.

5.3 Connecting to Your EV

The charger uses an SAE J1772 connector, compatible with most electric vehicles in North America. For Tesla vehicles, an adapter (sold separately) is required.

1. Ensure the charger is powered on.
2. Open your EV's charging port.
3. Firmly insert the SAE J1772 connector into your EV's charging port until it clicks into place.
4. Charging will begin according to your selected mode (App, RFID, or Plug & Charge).
5. To stop charging, use the app, tap the RFID card, or unlock your vehicle's charging port and press the release button on the connector before pulling it out.



Figure 8: Correct method for inserting the charging connector.

5.4 LED Indicator Status

The LED light on the charger indicates its current status:

- **Blue (Solid):** No connector inserted.
- **Blue (Pulsing):** Connector inserted, awaiting app connection.
- **Green (Pulsing):** Charging in progress.
- **Green (Solid):** Fully charged.

- **Red (Solid):** Fault detected.
- **Yellow (Pulsing):** OTA (Over-The-Air) update in progress.



Figure 9: LED indicator status guide.

6. MAINTENANCE

The ShockFlo S1 EV Charger requires minimal maintenance. Follow these guidelines to ensure longevity and optimal performance:

- **Cleaning:** Wipe the charger's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the unit is powered off before cleaning.
- **Cable Inspection:** Regularly inspect the charging cable and connector for any signs of wear, damage, or corrosion. Replace if damage is found.
- **Storage:** When not in use, ensure the charging cable is neatly coiled and the connector is stored in its designated holder (if applicable) to prevent damage.
- **Software Updates:** Keep the ShockFlo app updated to the latest version to ensure access to new features and performance improvements. The charger may also receive OTA updates.

7. TROUBLESHOOTING

If you encounter issues with your ShockFlo S1 EV Charger, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|--------------------------|---|--|
| Charger not powering on. | No power from outlet/circuit breaker tripped. | Check the circuit breaker. Ensure the NEMA 14-50 plug is fully inserted or hardwired connection is secure. |
| Charging not starting. | Connector not fully inserted; vehicle not ready to charge; app/RFID issue; charger fault. | Ensure the connector is firmly inserted. Check your EV's dashboard for charging status. Try using the app or RFID card. Check LED indicator for fault codes. |
| Red LED indicator. | Internal fault detected. | Unplug the charger (or turn off circuit breaker), wait 5 minutes, then reconnect. If the fault persists, contact customer support. |

| Problem | Possible Cause | Solution |
|--------------------------------|---------------------------------------|---|
| App not connecting to charger. | Bluetooth/Wi-Fi issues; app outdated. | Ensure Bluetooth and Wi-Fi are enabled on your phone. Restart the app and charger. Check for app updates. Ensure charger is within Wi-Fi range. |

For further assistance, refer to the full user manual or contact ShockFlo customer support.

8. SPECIFICATIONS

| Feature | Detail |
|--------------------------------|------------------------------|
| Model Number | CS01 |
| Charging Level | Level 2 |
| Maximum Current | 40A |
| Output Power | 9.6 kW |
| Input Voltage | 240 Volts AC |
| Connector Type | SAE J1772 |
| Cable Length | 17 feet |
| Connectivity | Wi-Fi, Bluetooth, RFID |
| Installation Options | NEMA 14-50 Plug or Hardwired |
| Environmental Rating | IP65 (Indoor/Outdoor Use) |
| Certifications | UL, FCC, Energy Star |
| Product Dimensions (D x W x H) | 3.35" x 9.25" x 15.7" |
| Item Weight | 18.5 pounds |



Figure 10: Product dimensions.

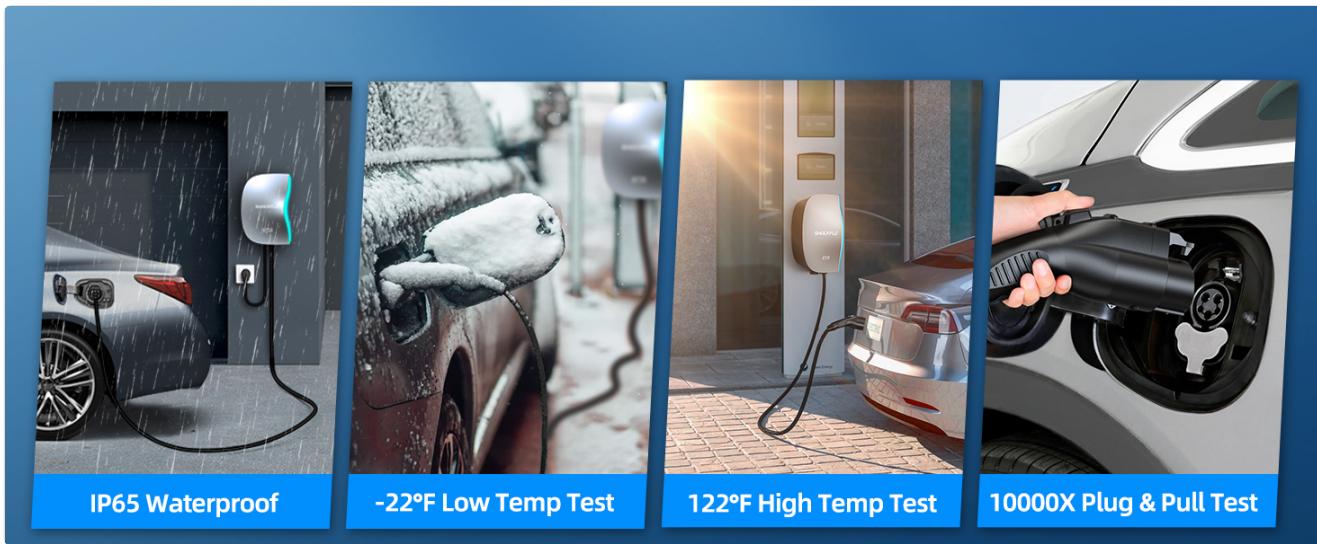


Figure 11: Environmental and durability testing.

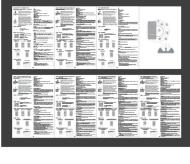
9. WARRANTY & SUPPORT

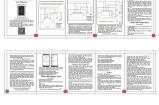
ShockFlo provides a **3-year warranty** for the S1 Level 2 EV Charger, covering defects in materials and workmanship under normal use. For warranty claims or technical assistance, please contact ShockFlo customer support.

Customer Support: 24/7 customer support is available to assist with any questions or issues you may encounter. Refer to the contact information provided in your product packaging or on the official ShockFlo website.

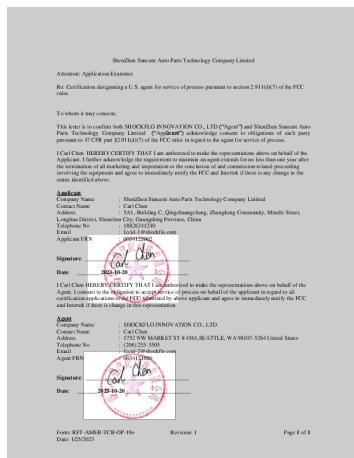
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Related Documents - CS01

| | |
|---|--|
|   | <p><u>Shockflo EV Charger App User Manual</u></p> <p>A comprehensive guide to using the Shockflo mobile application for managing and operating your Shockflo EV charger, including setup, charging, and troubleshooting.</p> |
|   | <p><u>ShockFlo CS02(48A) EV Charging Station Installation and User Guide</u></p> <p>This guide provides detailed instructions for the installation and use of the ShockFlo CS02(48A) EV Charging Station, including product specifications, charging steps, light status indicators, and important safety precautions.</p> |
|  | <p><u>CS01 Smart Scale User Manual</u></p> <p>This document provides instructions and information for the CS01 Smart Scale by Huizhou Conridel Electronic Technology Co., Ltd. It covers setup, usage, and compliance information.</p> |

| | |
|---|---|
|  | <p>Smart Curtain Switch User Manual - Setup, Wiring, and Integration Guide</p> <p>This user manual provides comprehensive instructions for the Smart Curtain Switch, covering wiring, app setup with Smart Life, and integration with Google Home and Amazon Alexa for smart home automation.</p> |
|  | <p>Tabyik-tec DH-CS01 Dehumidifier User Manual and Instructions</p> <p>Comprehensive user manual for the Tabyik-tec DH-CS01 dehumidifier, covering setup, operation, maintenance, troubleshooting, and safety guidelines. Includes specifications and customer service information.</p> |
|  | <p>SHOCKFLO CS02 48A EV Charging Station: Installation and User Guide</p> <p>Comprehensive installation and user guide for the SHOCKFLO CS02 48A EV Charging Station, covering specifications, setup, operation, and troubleshooting.</p> |

Documents - ShockFlo – CS01

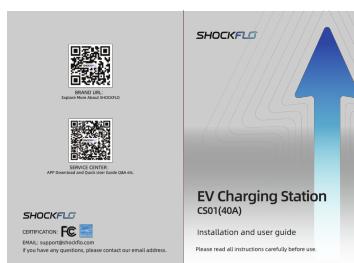


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ShenZhen Suncent Auto Parts Technology Company Limited Attention: Application Examiner Re: Certification designating a U.S. agent for service of process pursuant to section 2.911 d 7 of the FCC rules To whom it may concern, This letter is to confirm both SHOCKFLO INNOVATION CO., LTD Agent an...

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[\[pdf\] User Manual](#)

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