WISSENERGY WB20

WISSENERGY WB20 Level 2 EV Charger Instruction Manual

Model: WB20

1. Introduction

Thank you for choosing the WISSENERGY WB20 Level 2 EV Charger. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your EV charging station. Please read this manual thoroughly before use and retain it for future reference.

2. Safety Information

DANGER: Hazard of Electrical Shock or Burn.
CAUTION: Do Not Use This Product If There Is Any Damage to the Unit.
WARNING: Automatic Reset Provided.
WARNING: This Device is Intended for Charging Vehicles, Not Requiring Ventilation During Charging.

- Always ensure the charger is properly grounded.
- Do not attempt to open, disassemble, or modify the charger.
- Keep the charger and charging cable away from water, flammable materials, and extreme temperatures.
- Ensure the charging cable is not damaged, kinked, or run over by vehicles.
- Supervise children around the charging station.
- In case of malfunction or damage, immediately disconnect power and contact qualified personnel for repair.

3. Package Contents

Verify that all items are present and undamaged upon unpacking:

- WISSENERGY WB20 EV Charger Unit
- 20ft Charging Cable with J1772 Connector
- NEMA 14-50 Plug
- Mounting Plate
- Installation Hardware (screws, anchors)
- User Manual



Image: WISSENERGY WB20 EV Charger unit, 20ft cable with J1772 connector, NEMA 14-50 plug, and user manual.

4. Product Features

- **Level 2 Fast Charging:** Delivers up to 32 Amps (7.7KW max) for rapid EV charging.
- **Touch Screen Display:** Intuitive LCD touch screen allows manual adjustment of current (6A-32A), delay time, and charging time. Displays real-time charging status, error messages, and accumulated energy.

- **Universal Compatibility:** Equipped with a standard SAE J1772 connector, compatible with most electric vehicles. Features a NEMA 14-50 plug for easy installation with a suitable outlet.
- **Durable Design:** Classic white shell with a round touch screen, robust TPU cable, and an easily grippable handle with a rubber cover for dust and water protection. Suitable for indoor and outdoor use (IP66 rated).
- **Comprehensive Protections:** Built-in safety features include Over-voltage, Over-current, Short Circuit, Leakage, Ground Fault, Over-temperature, and CP Error detection.
- **Long Cable:** A 20ft charging cable provides ample reach for convenient charging.

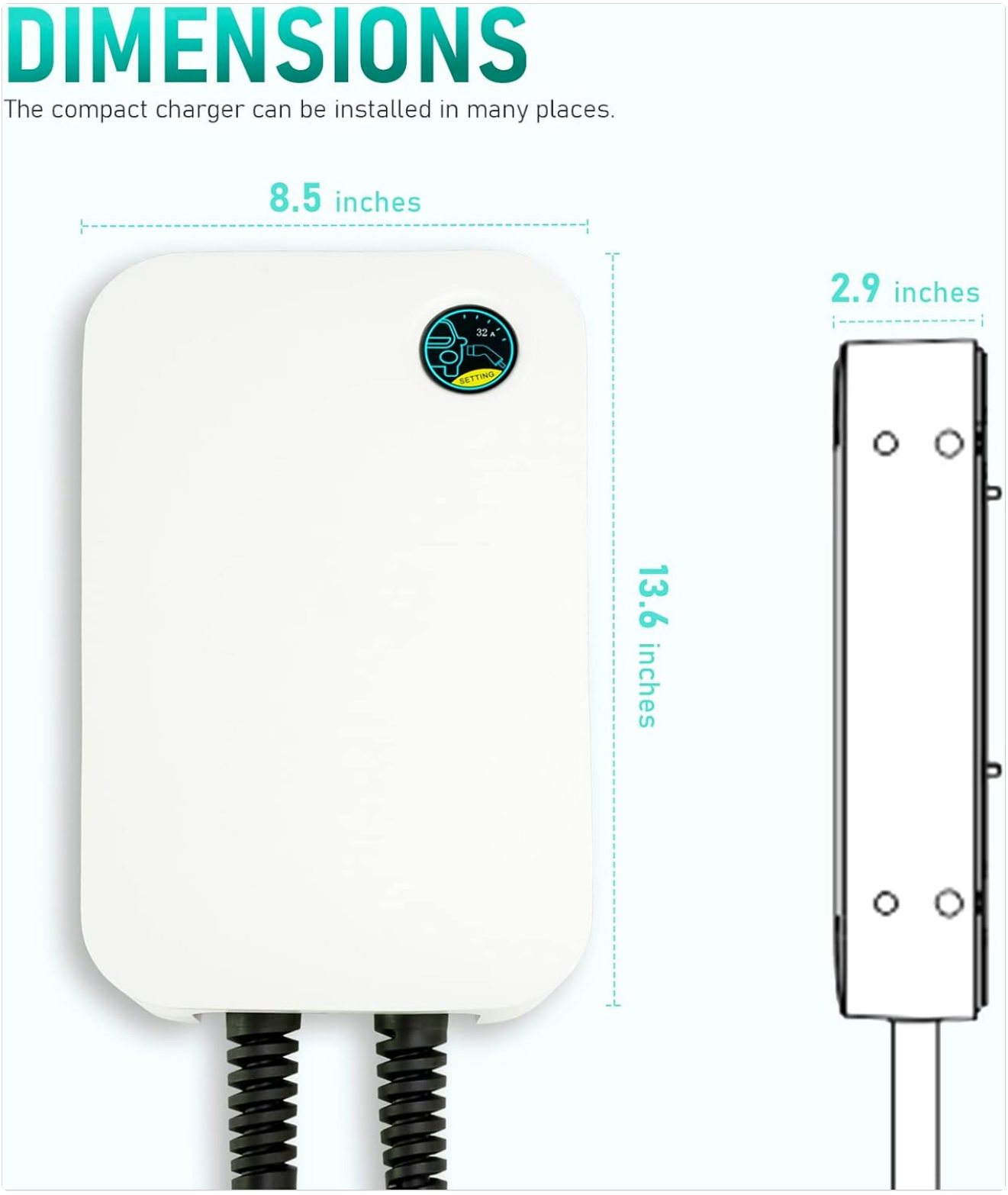


Image: The touch screen displays various charging parameters and settings.



Image: The WB20 EV Charger ensures a safe charging experience through its protection system and certifications, including Leakage, Short Circuit, Over Current, CP Error, Over Voltage, Over Temperature, and Undergrounded protection.

5. Setup and Installation

The WISSENERGY WB20 EV Charger is designed for wall-mounted installation. Professional installation is recommended for electrical safety.

5.1 Pre-Installation Checklist

- Ensure you have a dedicated 240V circuit with a NEMA 14-50 outlet. A 40A or greater circuit breaker is required for 32A charging.
- Confirm the installation location is suitable for indoor or outdoor use, away from direct sunlight or heavy rain if possible, and within reach of your EV.

- Gather necessary tools: drill, screwdriver, level, measuring tape, pencil.

5.2 Installation Steps

1. **Remove Mounting Plate:** Unscrew the four screws (two on each side) to detach the mounting plate from the charger unit.
2. **Mark Drilling Points:** Use the provided drilling reference paper to mark the four drilling points on the wall. Ensure the plate is level.
3. **Drill Holes and Insert Anchors:** Drill holes at the marked points and insert the plastic expansion screws (anchors).
4. **Mount the Plate:** Secure the mounting plate to the wall using the provided screws.
5. **Attach Charger Unit:** Align the main body of the charger with the buckle on the mounting plate and slide it down. Secure it by re-inserting the four screws removed in step 1.
6. **Connect to Power:** Plug the NEMA 14-50 plug into your dedicated 240V outlet.

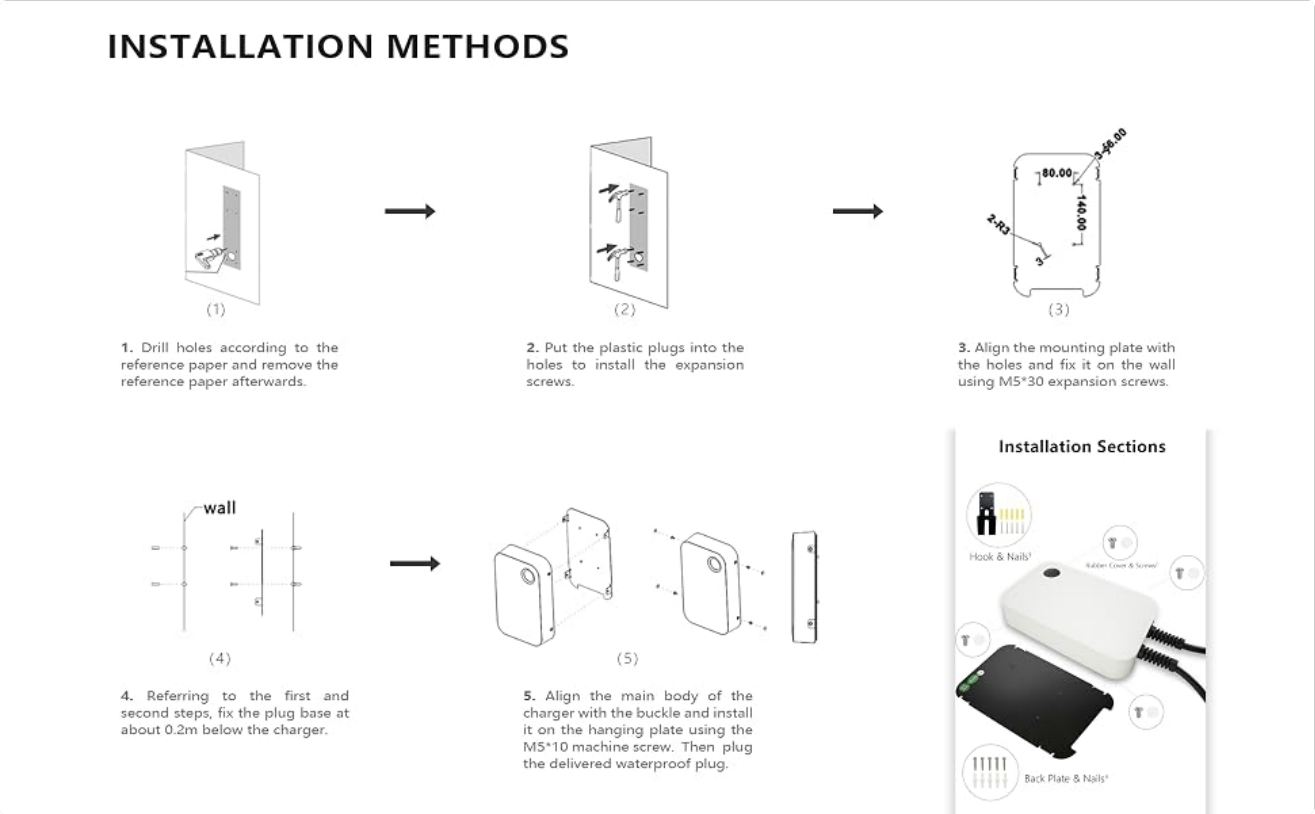


Image: Visual guide for mounting the charger to a wall, including drilling and securing the unit.

Your browser does not support the video tag.

Video: This video demonstrates the installation steps for the WISSENERGY WB20 EV Charger, showing how to mount the unit to a wall and secure it.

6. Operating Instructions

6.1 Basic Charging

1. Ensure the charger is powered on and the display is active.
2. Plug the J1772 connector into your electric vehicle's charging port. The charger will detect the connection.

3. The touch screen will display "Waiting Car Signal" and then initiate charging. The status light on the J1772 connector will turn green.
4. Monitor charging status (kW, Amps, kWh) on the touch screen.
5. To stop charging, disconnect the J1772 connector from your vehicle.

6.2 Using the Touch Screen

The touch screen allows for customization of charging parameters:

- **Setting Current:** Tap "Setting Current" on the menu. Use the "+" and "-" buttons to adjust the amperage from 6A to 32A in 1A increments. Press "OK" to confirm. *Note: Always ensure the selected current does not exceed the safe limit of your electrical circuit.*
- **Delay Charging:** Tap "Delay Charging" to set a delay time before charging begins. This is useful for utilizing off-peak electricity rates.
- **Charging Time:** Tap "Charging Time" to set a maximum duration for the charging session.
- **Page Down/Up:** Navigate through additional information pages on the display.



Image: The touch screen menu allows users to set current, delay charging, and charging time.

Your browser does not support the video tag.

Video: This video provides an overview of the WISSENERGY WB20 Level 2 Electric Car Charger, showcasing its features and operation.

7. Maintenance

- **Regular Cleaning:** Wipe the charger unit and cable with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Cable Inspection:** Periodically inspect the charging cable and connector for any signs of wear, cuts, or damage. Replace if necessary.
- **Connector Care:** Keep the J1772 connector clean and free of debris. Use the rubber cover to protect it when not in use.
- **Storage:** When not in use, coil the charging cable neatly and store the connector in its designated holder (if applicable) to prevent damage.

8. Troubleshooting

Problem	Possible Cause	Solution
Charger not powering on	No power from outlet; damaged plug/cable	Check NEMA 14-50 outlet and circuit breaker. Inspect plug and cable for damage.
Charging not starting	J1772 connector not fully inserted; vehicle not ready to charge; delay timer active	Ensure connector is securely plugged in. Check vehicle's charging status. Verify delay charging settings on the touch screen.
Error message on screen	Over-voltage, Over-current, Short Circuit, Leakage, Ground Fault, Over-temperature, CP Error	Refer to the specific error code on the screen. Disconnect the charger, wait a few minutes, and reconnect. If the error persists, contact support.
Slow charging speed	Current setting too low; vehicle's charging limit	Adjust the current setting on the touch screen to a higher amperage (up to 32A, within circuit limits). Check your vehicle's charging settings.

9. Specifications

Feature	Specification
Model	WB20
Rated Current	32 Amps (Adjustable 6A-32A)
Rated Voltage	220V-240V
Rated Power	7.7 KW (max)
Connector Type	SAE J1772
Power Plug	NEMA 14-50
Cable Length	20 feet
IP Class	IP66 (Indoor/Outdoor)
Operating Temperature	-25°C to +55°C
Item Weight	14.17 pounds
Dimensions (approx.)	13.6 inches (H) x 8.5 inches (W) x 2.9 inches (D)



Image: Detailed dimensions of the WISSENERGY WB20 EV Charger unit.

10. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the product packaging or contact WISSENERGY customer service directly. Contact details can typically be found on the manufacturer's official website or within the product documentation.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question