WISSENERGY WB10-Mode C-7.2KW-APP

WISSENERGY EV Smart APP Charger 32A Type 2, 7.4 kW Wallbox User Manual

Brand: WISSENERGY | **Model:** WB10-Mode C-7.2KW-APP

1. Introduction and Overview

This manual provides essential instructions for the safe and efficient use of your WISSENERGY EV Smart APP Charger. This wall-mounted electric vehicle charging station is designed for home use, offering a 7.4 kW charging capacity with a Type 2 connector and a 6-meter cable. It features smart control via a mobile application, allowing for flexible and monitored charging.



Figure 1.1: WISSENERGY EV Smart APP Charger. This image displays the wall-mounted charging unit, the attached 6-meter Type 2 charging cable, and a smartphone screen illustrating the companion application's interface for controlling and monitoring charging sessions.

2. Safety Information

Please read all safety warnings and instructions carefully before installation and use to prevent injury or damage. Keep this manual for future reference.

- **Professional Installation:** Installation of the charging station must be performed by a qualified electrician in accordance with all local and national electrical codes and regulations.
- **Electrical Safety:** The charger is equipped with advanced safety protection modules, including Type A+ 6 mA leakage protection, overcurrent protection, overheating protection, and short-circuit protection. Do not attempt to bypass or modify these safety features.
- **Environmental Conditions:** The unit has an IP66 protection rating, making it resistant to water, dust, and snow. However, avoid submerging the unit in water or exposing it to extreme temperatures beyond its operating range.
- **Cable Handling:** Always handle the charging cable and connector with care. Do not use if the cable or connector is damaged, frayed, or shows signs of wear. Avoid driving over the cable or placing heavy objects on

it.

- **Emergency Stop:** Familiarize yourself with the location of your electrical panel's circuit breaker for the charging station, which can be used as an emergency shut-off.

3. Product Features

The WISSENERGY EV Smart APP Charger offers a range of features designed for convenient and efficient electric vehicle charging:

- **Smart APP Control:** Manage your charging sessions directly from your mobile phone. The app allows for current adjustment (6-32A), setting a 24-hour timer, and scheduling delayed charging. It also provides real-time monitoring of charging status and records of past charging sessions. *Note: Only Bluetooth connection is supported for app control.*
- **High Compatibility:** Certified with CE and RoHS standards, this charging station is compatible with all electric and plug-in hybrid vehicles that comply with the IEC 62196-2 standard (Type 2 connector).
- **Robust Safety Features:** Integrated safety modules provide comprehensive protection against electrical faults, including Type A+ 6 mA leakage, overcurrent, overheating, and short-circuit conditions.
- **Durable for Indoor and Outdoor Use:** With an IP66 protection rating, the charging station is highly resistant to water, dust, and snow, ensuring reliable operation in various environmental conditions.
- **Compact and Easy Installation:** The 7.4 kW charging station features a slim and modern design, weighing less than 5 kg, which facilitates easy wall mounting. An installation and punching positioning plan is included in the package.
- **Energy Conservation Integration:** The wallbox can be connected to a photovoltaic (PV) system. The mobile application allows current adjustment to optimally utilize electricity generated from the PV system, promoting energy saving and emission reduction.



Figure 3.1: High-Speed Charging Capability. This graph illustrates the charging speed advantage of the WISSENERGY EV charger (7.4kW) compared to common 3.68kW EV chargers, demonstrating faster charging times.



Figure 3.2: Type 2 Female Plug Compatibility. This image shows the Type 2 charging port and lists various electric vehicle brands (e.g., Tesla, Volkswagen, BMW, Mercedes-Benz) that are compatible with the IEC 62196-2 standard.

4. Setup and Installation

The WISSENERGY EV Smart APP Charger is designed for wall-mounted installation. Due to the electrical nature of this product, installation must be carried out by a certified professional electrician.

4.1 Pre-Installation Checks

- Ensure the installation location is suitable, with adequate space and structural integrity to support the unit's weight (approximately 4.93 kg).
- Verify that the electrical supply meets the charger's requirements (230V, 32A single-phase).
- Confirm that all necessary tools and safety equipment are available.

4.2 Installation Steps (Professional Electrician Required)

1. **Mounting:** Use the provided installation and punching positioning plan to accurately mark and drill holes for

mounting the wallbox. Secure the unit firmly to the wall.

2. **Electrical Connection:** Connect the charging station to the main electrical supply. Ensure proper grounding and adherence to all wiring diagrams and safety standards.
3. **Testing:** After installation, the electrician should perform thorough testing to ensure the unit functions correctly and safely.



Figure 4.1: Product Dimensions. This image provides key dimensions of the WISSENERGY EV charger, including its height (30cm), width (17cm), and the length of the charging cable (6m).

5. Operating Instructions

Operating your WISSENERGY EV Smart APP Charger is straightforward. For basic charging, follow these steps:

1. **Connect to Vehicle:** Open the charging port cover on your electric vehicle. Take the Type 2 connector from the charging station and firmly insert it into your vehicle's charging port. Ensure a secure connection.

2. **Initiate Charging:** Depending on your vehicle and charger settings, charging may begin automatically. If not, use the mobile application to start the charging session (refer to Section 6 for APP Control).
3. **Monitor Charging:** The LED indicator on the wallbox will show the charging status. You can also monitor the charging progress, current, and duration in real-time via the WISSENERGY mobile application.
4. **Stop Charging:** To stop charging, either use the mobile application or follow your vehicle's instructions to safely disconnect the cable. Always disconnect the vehicle first before removing the cable from the charging station.
5. **Store Cable:** After charging, coil the 6-meter charging cable neatly and place the connector back into its holder on the wallbox to protect it from damage and environmental elements.



Figure 5.1: Connecting the 6-meter Charging Cable. This image shows the WISSENERGY EV charger mounted on a wall, with its 6-meter cable extended and connected to an electric vehicle for charging.

6. APP Control

The WISSENERGY mobile application provides advanced control and monitoring capabilities for your EV charger. Ensure your smartphone's Bluetooth is enabled and within range of the charging station.

6.1 App Installation and Connection

1. Download the WISSENERGY APP from your smartphone's app store (iOS or Android).
2. Open the app and follow the on-screen instructions to pair with your EV charger via Bluetooth.

6.2 Key APP Functions

- **Current Adjustment:** Freely adjust the charging current between 6A and 32A to suit your needs or available power supply.
- **24-Hour Timer:** Set a specific time for charging to start or stop, allowing you to take advantage of off-peak electricity rates.
- **Delayed Charging:** Schedule charging sessions to begin at a later time.
- **Real-time Monitoring:** View live charging status, power consumption, and other relevant data.
- **Charging Records:** The app records each charging trip, providing a history of your charging sessions for easy review and statistics.



Figure 6.1: Record of Every Charge. This image shows a smartphone screen displaying the WISSENERGY app interface, which logs charging duration, amount, and provides statistical data for each charging session.

7. Maintenance

Regular maintenance ensures the longevity and optimal performance of your WISSENERGY EV Smart APP Charger.

- **Cleaning:** Periodically wipe the exterior of the charging station and the cable with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the unit is powered off before cleaning.
- **Inspection:** Regularly inspect the charging cable, connector, and the unit's housing for any signs of damage, wear, or corrosion. If any damage is found, discontinue use and contact customer support.
- **Environmental Protection:** The IP66 rating provides excellent protection against outdoor elements. However, ensure the unit is not exposed to direct, high-pressure water jets or prolonged submersion.



Figure 7.1: IP66 Waterproof Rating. This image highlights the IP66 waterproof capability of the WISSENERGY EV charger, showing water droplets on its surface and a hand connecting the charger to a vehicle in rainy conditions.

8. Troubleshooting

If you encounter issues with your WISSENERGY EV Smart APP Charger, refer to the following common troubleshooting steps:

- **Charger Not Starting:**
  - Ensure the charging cable is securely connected to both the vehicle and the charging station.
  - Check the circuit breaker for the charging station in your electrical panel to ensure it has not tripped.
  - Verify that your vehicle's charging port is clean and free of debris.
- **APP Connectivity Issues:**
  - Ensure Bluetooth is enabled on your smartphone and the app has permission to use Bluetooth.
  - Make sure your smartphone is within close proximity to the charging station.
  - Restart the app or your smartphone.
- **Slow Charging:**
  - Check the current setting in the WISSENERGY app; ensure it is set to the desired amperage (up to 32A).
  - Verify that your vehicle is capable of accepting the full charging rate.
- **Error Indicator:** If the wallbox displays an error light or message, consult the app for specific error codes or contact customer support with the details.

If the problem persists after attempting these steps, please contact WISSENERGY customer support.

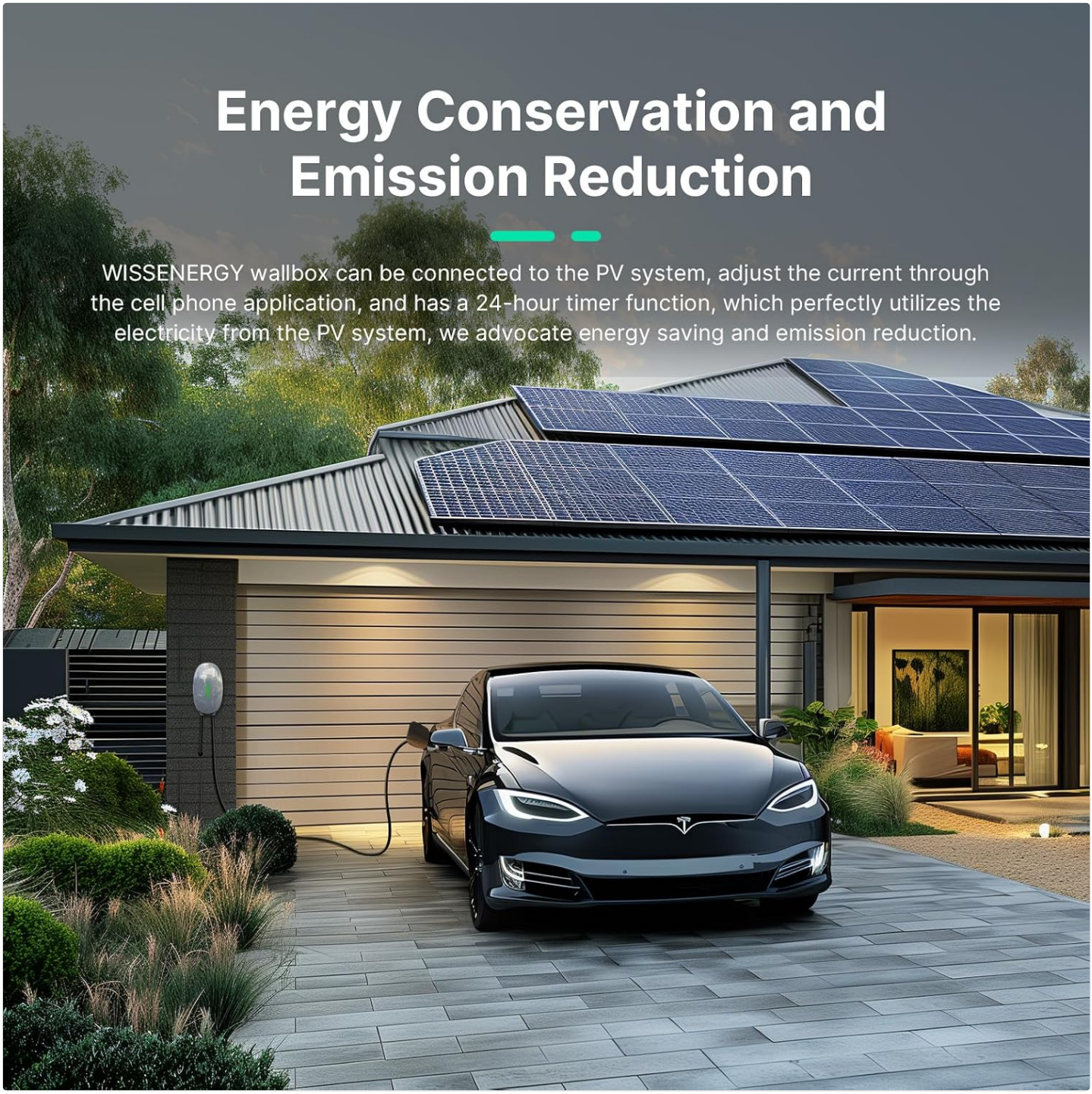


Figure 8.1: Energy Conservation and Emission Reduction. This image depicts an electric car charging at home with the WISSENERGY wallbox, which is integrated with a rooftop solar panel system, illustrating energy conservation and emission reduction.

9. Specifications

Feature	Specification
Brand	WISSENERGY
Model Number	WB10-Mode C-7.2KW-APP
Output Power	7.4 kW
Current	32 A
Voltage	230 V (AC)

Feature	Specification
Connector Type	Type 2 (IEC 62196-2)
Cable Length	6 meters
Protection Rating	IP66 (Waterproof, Dustproof)
Leakage Protection	Type A+ 6 mA
Weight	4.93 Kilograms
Country of Origin	China
APP Control	Yes (Bluetooth connection only)

10. Warranty and Support

Your WISSENERGY EV Smart APP Charger comes with a comprehensive warranty and dedicated customer support.

- **Warranty:** The product is covered by a **2-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
- **Customer Support:** For any questions, technical assistance, or warranty claims, please contact WISSENERGY customer service. Our technical advisors are committed to responding and resolving your issues within 24 hours.

Please retain your proof of purchase for warranty purposes.