EQBVZZRD EQBVZZRD

EQBVZZRD Portable EV Charger User Manual

Model: EQBVZZRD (22KW With Adaptor)

1. Introduction

Thank you for choosing the EQBVZZRD Portable EV Charger. This manual provides essential information for the safe and efficient operation of your 22KW 32A Electric Car Charger. Please read this manual thoroughly before using the product and keep it for future reference.

This portable EV charging station is designed for convenience and reliability, offering a powerful and heavy-duty solution for charging your electric vehicle at home or outdoors, suitable for various weather conditions.

2. Safety Information

Always adhere to the following safety precautions to prevent injury, damage to the product, or damage to your vehicle.

- Do not immerse the charging station or cable in water.
- Do not use the charger if it is damaged, cracked, or has exposed wiring.
- Ensure the power outlet is properly grounded and rated for the charger's specifications (22KW, 32A, 3-Phase).
- Keep children and pets away from the charging area during operation.
- Do not attempt to disassemble or repair the charger yourself. Contact qualified personnel for service.
- Avoid placing the charging cable in areas where it can be tripped over or driven over.
- The charger is equipped with multiple protections including Leakage protection (TypeB AC30mA + DC6mA), Over-voltage and under-voltage protection, Lightning Protection, Over-current Protection, Overheat Protection, Ground Protection, and Overload protection.
- In case of abnormal operation or error messages, disconnect the charger immediately.

3. Product Features and Components

The EQBVZZRD Portable EV Charger is designed with advanced features for reliable and convenient charging.

- **Rated Power:** 22KW
- **Adjustable Current:** 8A-10A-16A-20A-24A-32A
- **Charger Type:** TYPE2 IEC62196-2
- **Phase:** 3Phase (supports both single phase and three phase charging)
- **Protection Degree:** IP66+IP65-IP44 (Water resistant, Fire resistant)
- **Plug Type:** CEE Plug
- **Cable Length:** 5M
- **High-strength Materials:** PC+ASA material (3.5mm thickness) for enhanced safety.
- **High Compatibility:** Compatible with all electric vehicles with Type2 charging port.
- **High Serviceability:** Includes a charging box bracket and Charging Plug holder for wall mounting, offering a wallbox-like experience, and is easily transportable.
- **3 Button Functions:** Adjust Current, Set Delay Time, Set Charging Time.
- **Long Service Life:** Features ePTFE Waterproof Breathable Membrane for better heat dissipation.
- **Multi-protections:** Comprehensive safety features including leakage, over/under-voltage, lightning, over-current, overheat, ground, and overload protection.
- **Real-Time Data Display:** Large LCD screen displays charging status, voltage, current, temperatures, and warns of possible errors.



Figure 3.1: Overview of the EQBVZZRD Portable EV Charger, showing the control box, Type 2 charging cable, and CEE plug with adaptor.



Figure 3.2: Key specifications highlighted, including 22KW/32A power, IP66 rating, 3-phase capability, 5-meter cable, Type 2 connector, and adjustable current from 8A to 32A.



Figure 3.3: The charger installed on a wall using the included bracket, demonstrating its wallbox-like functionality and Type 2 compatibility.

4. Setup and Installation

The EQBVZZRD Portable EV Charger offers flexible installation options for both portable and semi-permanent use.

4.1 Portable Use

1. Ensure the CEE plug is securely connected to a compatible 3-phase power outlet.
2. Uncoil the charging cable, ensuring it is free of kinks or damage.
3. Place the control box on a stable, dry surface, away from direct sunlight or extreme temperatures.

4.2 Wall-Mounted Installation (Optional)

For a more permanent setup, use the provided charging box bracket and charging plug holder.

1. Select a suitable location on a solid wall, near your parking spot and a compatible power outlet.
2. Using appropriate fasteners (not included), securely mount the charging box bracket to the wall at a convenient height.
3. Attach the charging plug holder next to the bracket to neatly store the Type 2 connector when not in use.
4. Ensure the power cable can reach the outlet without strain.

5. Operating Instructions

Follow these steps to charge your electric vehicle.

1. **Connect to Power:** Plug the CEE plug into the appropriate 3-phase power outlet. The LCD screen on the control box will illuminate.
2. **Set Current (if desired):** Before connecting to the vehicle, use the buttons on the control box to adjust the charging current (8A-10A-16A-20A-24A-32A). Press the 'Adjust Current' button to cycle through available current settings.
3. **Connect to Vehicle:** Insert the Type 2 charging connector firmly into your vehicle's charging port. Ensure a secure connection.
4. **Charging Begins:** The charger will perform a self-check, and charging will begin automatically. The LCD screen will display real-time charging data.
5. **Set Delay Time (Optional):** If you wish to delay the start of charging, use the 'Set Delay Time' button. You can set a delay from 1 to 15 hours.
6. **Set Charging Time (Optional):** To set a specific duration for charging, use the 'Set Charging Time' button. You can set a charging duration from 1 to 15 hours.
7. **Monitor Charging:** The LCD screen provides real-time data such as charging state, set current, real-time temperature, charging voltage, charging current, real-time power, and power consumption.
8. **End Charging:** To stop charging, first disconnect the Type 2 connector from your vehicle. Then, unplug the CEE plug from the power outlet.



Figure 5.1: Detailed view of the LCD display, illustrating real-time charging data for both single-phase (1P 7KW) and three-phase (3P 11KW/22KW) charging modes, including temperature, voltage, current, and power.



Figure 5.2: The control panel showing the three main function buttons: Adjust Current (8-32A), Set Delay Time (1-15h), and Set Charging Time (1-15h), along with a list of built-in protection types.

6. Maintenance and Care

Proper maintenance ensures the longevity and safe operation of your EV charger.

- **Cleaning:** Wipe the control box and cables with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the charger is unplugged before cleaning.
- **Cable Inspection:** Regularly inspect the charging cable and connectors for any signs of wear, cuts, cracks, or damage. If damage is found, discontinue use immediately and contact support.
- **Storage:** When not in use, store the charger in a dry, cool place, away from direct sunlight and extreme temperatures. Use the provided plug holder to keep the Type 2 connector clean and protected.
- **Connector Care:** Keep the Type 2 connector free from dust, dirt, and moisture. Use the protective cap when not connected to a vehicle.

7. Troubleshooting

If you encounter issues with your charger, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Charger not powering on.	No power from outlet; loose connection; internal fault.	Check power outlet and circuit breaker. Ensure CEE plug is fully inserted. If problem persists, contact support.
Charging not starting.	Vehicle not ready for charging; loose connection to vehicle; error code on display.	Ensure vehicle is ready to charge. Re-insert Type 2 connector firmly. Check LCD for error messages and refer to specific error codes (if available on display).
Slow charging speed.	Current setting too low; vehicle limitation; power supply issue.	Adjust current setting to a higher amperage (up to 32A) if supported by your vehicle and power supply. Consult your vehicle's manual.

Problem	Possible Cause	Solution
Overheat protection activated.	High ambient temperature; poor ventilation; excessive load.	Ensure charger is in a well-ventilated area. Reduce charging current if possible. Charging will automatically resume when temperature drops below 65°C.
Display shows error message.	Various protection mechanisms triggered (e.g., over-current, leakage, ground fault).	Note the error message/code. Disconnect and reconnect the charger. If the error persists, contact customer support with the error details.



Figure 7.1: The charger's display indicating various active protection features such as overcurrent, short circuit, overvoltage, undervoltage, temperature control, flame retardant, lightning, and leakage protection.

8. Technical Specifications

Rated Power	22KW
Adjustable Current	8A-10A-16A-20A-24A-32A
Charger Type	TYPE2 IEC62196-2
Phase	3Phase
Protection Degree	IP66+IP65-IP44
Plug Type	CEE Plug
Cable Length	5M
Material	PC+ASA (3.5mm thickness)
Item Weight	2.2 pounds
Manufacturer	EQBVZZRD

Model Number	EQBVZZRD
ASIN	B0D7S9L9JV

9. Warranty and Support

For warranty information and technical support, please refer to the product packaging or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

Manufacturer: EQBVZZRD

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