

Evjuicion JYDC

EVJUICION 7kW Single-Phase 32A EV Charging Station (Model JYDC) User Manual

Model: JYDC

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your EVJUICION 7kW Single-Phase 32A Electric Vehicle Charging Station, Model JYDC. Please read this manual thoroughly before installation and use, and retain it for future reference.

2. SAFETY INFORMATION

WARNING: Electrical installation must be performed by a qualified and licensed electrician in accordance with all local and national electrical codes.

- Do not attempt to open, disassemble, or modify the charging station.
 - Ensure the charging station is installed in a well-ventilated area, away from flammable materials.
 - Do not use the charging station if the cable or connector is damaged.
 - Keep children and pets away from the charging station during operation.
 - In case of emergency, press the **Emergency Stop Button** located on the side of the charging station to immediately cut power.
 - The charging station is designed for single-phase electrical systems (L1, N, PE). Incorrect wiring can cause serious damage or injury.
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3. PRODUCT FEATURES

- **7kW Fast Charging:** The single-phase charging station provides a maximum charging power of 7 kW and a maximum output current of 32 amperes. This EV charger is twice as fast as a standard 16A EV charger. Clear LED indicators allow real-time monitoring of the charging status.

- **Two Charging Modes:** Our Type 2 EV charger offers two charging modes: RFID card mode and Plug-and-Play mode. Using RFID cards simplifies charging options.
- **Durable 5-Meter Cable:** The 5-meter TPU cable has successfully passed 20,000 bending tests, and the Type 2 plug has passed 15,000 mating tests, ensuring a longer lifespan.
- **Wide Compatibility:** Compatible with all European Type 2 (IEC 62196) electric and hybrid vehicles.
- **Battery Health Protection:** Once the electric vehicle charging station fully charges the car, it automatically cuts off the power supply to prevent overcharging and protect the car's battery health.
- **Multiple Protection Features:** Includes IP67 waterproof rating, overload protection, overcurrent protection, leakage protection, over temperature protection, lightning protection, ungrounded protection, and CP-protection.
- **Extreme Weather Resistance:** Designed to be waterproof (IP54/IP67), dustproof (IP54/IP67), cold resistant (-30°C/-86°F), and heat resistant (50°C/122°F).
- **User-Friendly Design:** Features a compact design with an included hook for convenient storage.

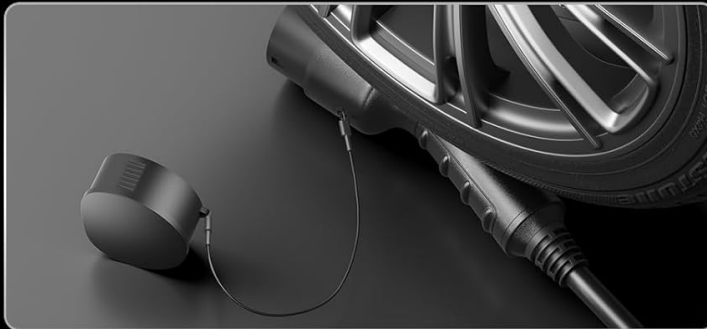


Figure 1: Multiple Protection Features

Superior Material



20,000
Bending Test



2 Tons
Pressure Resistance

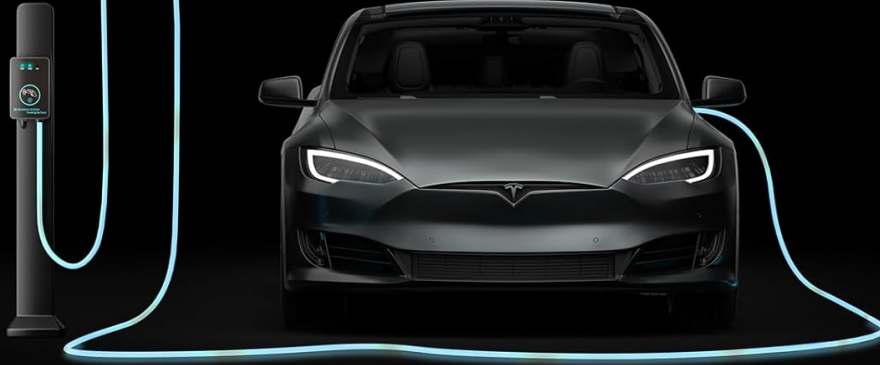


15,000
Plug test

Figure 2: Superior Material and Durability Tests

7kw EV Charging Station

7kw / 32A / 230V±20%



Relieve Low-battery Anxiety

Charge Model Y (77 kW·H battery capacity) for 10 Hours

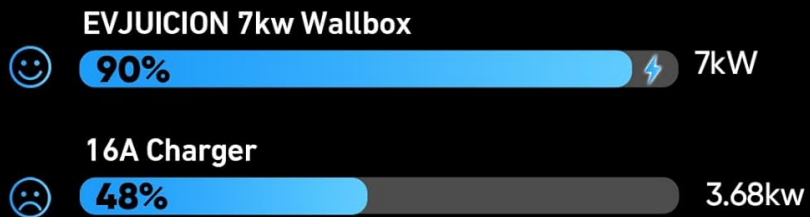
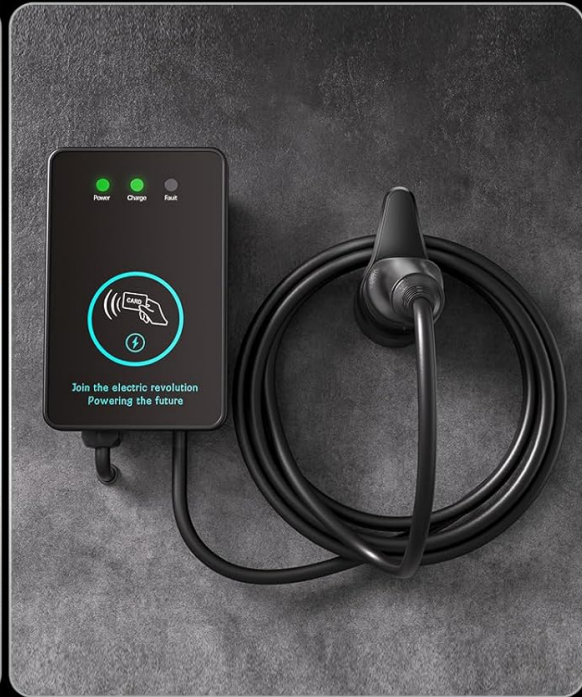


Figure 3: 7kW Charging Speed Comparison

User-friendly Design



5M / 16.4FT
Charging Cable
No range anxiety



Compact Design
Hook Included
Convenient Storage

Figure 4: User-Friendly Design with 5m Cable and Hook

For Type 2 (IEC 62196-2) EVs & PHEVs

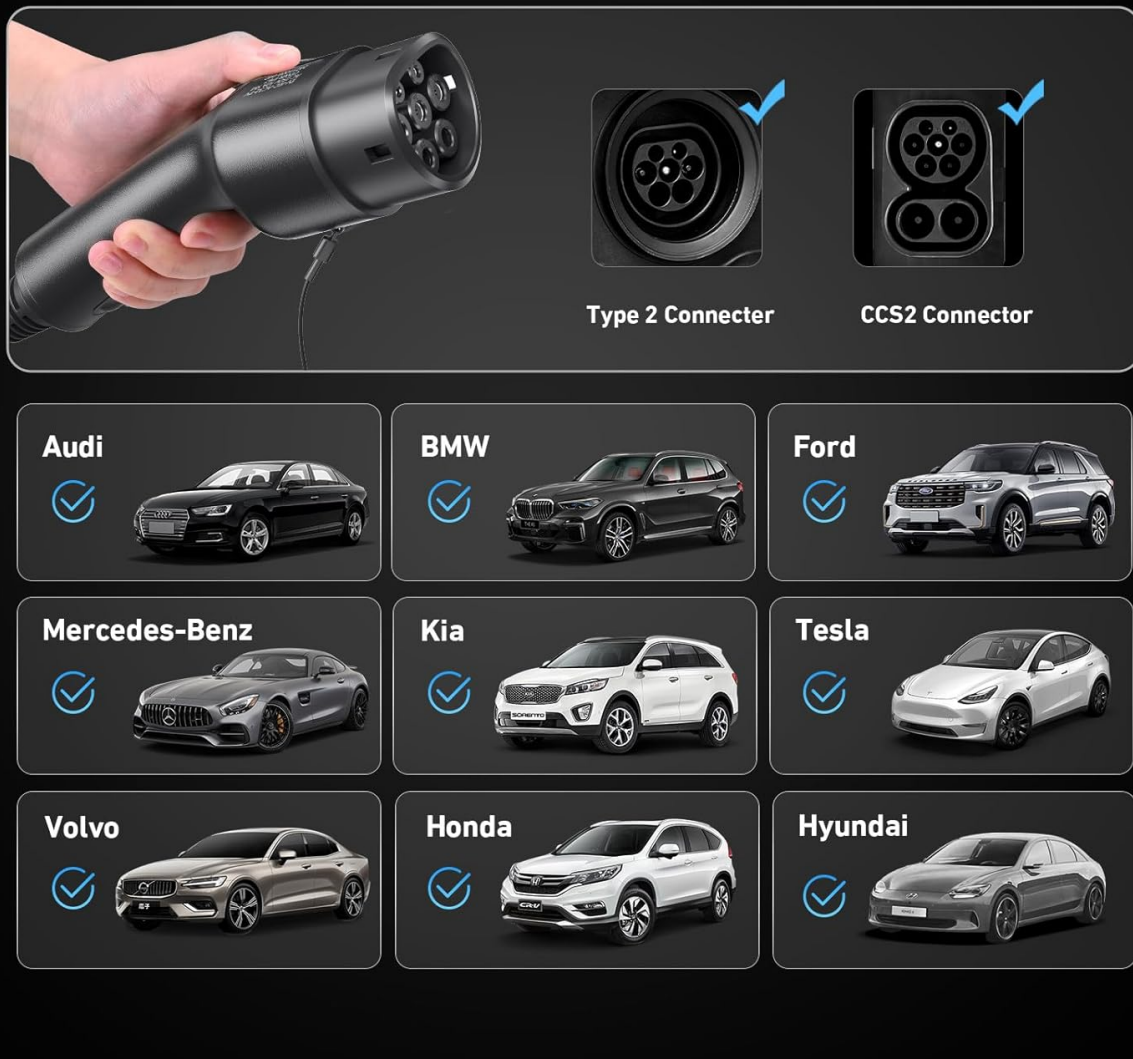


Figure 5: Wide Compatibility with Type 2 EVs & PHEVs

4. SETUP AND INSTALLATION

The EVJUICION charging station is designed for wall-mounted installation. Due to the electrical nature of this product, **installation must be carried out by a certified electrician** to ensure safety and compliance with local regulations.

4.1 Electrical Connection

The charging station requires a single-phase electrical connection. Ensure the wiring corresponds to Line (L1), Neutral (N), and Protective Earth (PE) as indicated in the diagram below. Incorrect wiring can lead to malfunction or safety hazards.

Single phase [L1, N and PE only]



Figure 6: Single-Phase Electrical Connection Diagram

Note: Connections to the distribution box must be made by qualified professionals.

4.2 Mounting

Securely mount the charging station to a solid wall surface using appropriate fasteners. Ensure the mounting height allows for comfortable access to the charging cable and controls.

5. OPERATING INSTRUCTIONS

The EVJUICION charging station offers two convenient charging modes:

5.1 LED Indicators

- **Power:** Indicates the unit is powered on.
- **Charge:** Indicates active charging.
- **Fault:** Indicates an error or malfunction. Refer to the Troubleshooting section.



Figure 7: Two Charging Options: Plug and Play & RFID Card Mode

5.2.1 RFID Card Mode

1. Connect the Type 2 charging cable to your electric vehicle's charging port.
2. Swipe the provided RFID card over the designated RFID reader area on the charging station.
3. The 'Charge' LED indicator will illuminate, and charging will begin.
4. To stop charging, swipe the RFID card again or press the Emergency Stop Button.

5.2.2 Plug-and-Play Mode

This mode allows charging to start automatically upon connection without needing an RFID card.

1. To switch to Plug-and-Play mode, swipe the RFID card in the designated area for approximately 15 seconds. The charging station will confirm the mode change.
2. Once in Plug-and-Play mode, simply connect the Type 2 charging cable to your electric vehicle's charging port.
3. The 'Charge' LED indicator will illuminate, and charging will begin automatically.
4. To stop charging, disconnect the cable from your vehicle or press the Emergency Stop Button.

5.3 Emergency Stop

An emergency stop button is located on the side of the charging station. Press this button at any time to immediately cut power to the charging process.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your EVJUICION charging station.

6.1 Cleaning

- Wipe the exterior of the charging station with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the charging port and cable connectors are free from dust, dirt, and moisture.

6.2 Cable Care

- Inspect the charging cable and connectors regularly for any signs of damage, wear, or fraying. Do not use if damaged.
- Avoid bending or kinking the cable sharply.
- Store the cable properly using the integrated hook when not in use to prevent tripping hazards and damage.

6.3 Environmental Considerations

The charging station is designed to be extreme-weather resistant, with an operating temperature range of -30°C to 50°C.

Extreme-Weather Resistant



Figure 8: Extreme Weather Resistance

7. TROUBLESHOOTING

If you encounter issues with your charging station, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power / Power LED off	No electricity supply; circuit breaker tripped.	Check main power supply and circuit breaker. Ensure proper installation.
Charging does not start	Cable not fully connected; incorrect charging mode; RFID card not read; vehicle fault.	Ensure cable is securely connected. Re-swipe RFID card. Check vehicle's charging status. Try switching modes.

Problem	Possible Cause	Solution
Fault LED is on	Internal error; overcurrent/overvoltage; leakage; over-temperature.	Disconnect the charger from the vehicle and power supply. Wait a few minutes, then reconnect. If the fault persists, contact a qualified electrician or customer support.
Charging stops unexpectedly	Vehicle fully charged; power interruption; internal protection activated.	Check vehicle's charge level. Verify power supply. If a fault LED is on, refer to the 'Fault LED is on' solution.

For issues not listed above or if problems persist, please contact customer support.

8. SPECIFICATIONS

Specification	Value
Brand	Evjuicion
Model Number	JYDC
Color	Black
Max Charging Power	7 kW
Current Rating	32 A
Input Voltage	220 Volts
Output Voltage	220 Volts
Cable Length	5 Meters
Connector Type	Type 2 (IEC 62196)
Operating Temperature	-30 °C to 50 °C
Item Weight	3.75 Kilograms
Compliant Specifications	CE, TÜV, IEC
UPC	751203821823

9. WARRANTY AND SUPPORT

Specific warranty details and support contact information are not provided in the product data. Please refer to the product packaging or the seller's website for the most up-to-date warranty terms and customer support contacts.

For technical assistance or service inquiries, please contact the retailer or manufacturer directly.

