

European Standard Electric Vehicle AC Charging Station



User Manual

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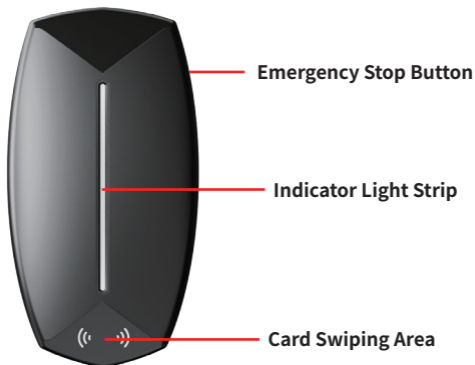
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1. Technical Parameters

Parameter	Single-Phase	Three-Phase	
Rated Input/Output Voltage	AC 220V	AC 380V	
Rated Input/Output Current	32A	16A	32A
Rated Output Power	7KW	11KW	22KW
Working temperature	-25°C to +50°C		
Ground fault protection	Alarm and protection triggered when the ground wire is not connected or poorly grounded		
Overcurrent protection	Alarm and protection triggered when the load exceeds 110% of the rated current		
Relay sticking protection	Alarm and protection triggered if relay contacts are stuck during standby		
Overtemperature protection	Alarm and protection triggered when temperature > 100°C		
Overvoltage protection	Alarm and protection triggered when voltage > 275V		
Undervoltage protection	Alarm and protection triggered when voltage < 100V		
Leakage protection	Alarm and protection triggered for leakage current (DC > 6mA or AC > 30mA), response time < 100ms		
Emergency stop	Alarm and protection triggered when emergency stop is activated, response time < 100ms		

2. Installation Instructions

2.1 Appearance Description



2.2 Installation Steps

2.2.1 Mounting the Charging Station



- 1) Attach 4 metal mounting plates to the back of the charging station.
- 2) Fix the metal bracket to the wall or charging post. Hang the station onto the bracket and secure it.

3. Indicator Lights & Operation Instructions

3.1 Indicator Light Descriptions

Light strip status under different conditions

Standby mode	Blue light steadily on
Ready for charging state	Green light steadily on
Charging state	Green light flashing
Charging completed state	Green light steadily on
Emergency stop fault	Red light steadily on
Ground fault (or Ungrounded fault)	Red light flashes 2 times every 5 seconds
CP (Control Pilot) error fault	Red light flashes 3 times every 5 seconds
Overcurrent fault	Red light flashes 4 times every 5 seconds
Overvoltage fault	Red light flashes 5 times every 5 seconds
Undervoltage fault	Red light flashes 6 times every 5 seconds
Relay sticking fault	Red light flashes 7 times every 5 seconds
Leakage fault	Red light flashes 8 times every 5 seconds
Overtemperature fault	Red light flashes 9 times every 5 seconds

3.2 Operation Instructions

This product can connect to the network automatically after powering on.



Step 1: Scan the first QR code on the device to download the App.



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Step 2: After successfully downloading the app, open it and tap the scan icon in the upper-right corner, then scan the second QR code on the device to complete the setup.

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4.1 Recovery Exit Settings

In the standby state, press the stop button, then turn off and restart the machine. When the battery box generates an alarm, wait until the alarm stops and press the stop button to complete the recovery exit setting.

4.2 Usage Notes

4.2.1 The product must be operated by personnel who have received training and are qualified to operate the system. The air conditioner must be installed according to the specified flow rate, which should be 1.5 times the rated air volume. Additionally, the power supply must be properly connected.

4.2.2 During the usage process, please ensure that the system parameters do not exceed the prescribed range to avoid possible damage to the equipment.

4.2.3 Please do not modify the air conditioning components or internal wiring, nor alter the system connections.

4.2.4 After the machine is installed, check if the equipment is connected to the power supply and whether the battery is properly connected. Please confirm whether the power supply is functioning.

4.2.5 The equipment is equipped with protective features. Please use the equipment following the protection guidelines to prevent any damage or injury. If the protection measures are bypassed, it may result in equipment failure or other safety hazards.

4.2.6 Please do not attempt to modify the installation process or wiring to avoid malfunction or damage to the unit, especially any potential interference with vehicle operation.

4.3 Warranty Terms

4.3.1 The product is provided with a one-year free warranty service from the date of purchase. (Excludes damage caused by improper use)

4.3.2 Please read the product manual carefully before use to avoid misuse.

4.3.3 If the product is used improperly, or if natural wear and tear or other factors cause damage, it will not fall under the scope of free warranty service. In such cases, the company will charge for repairs.

RCPD-20S75-OD Series Residual Current Sensor



**Charging Pile Type B Residual
Current Detection Device**

Introduction

The RCPD-20S75-OD series residual current sensor can realize residual current detection. Adopting the magnetic gate principle, it features high accuracy and low temperature drift. It uses a single 5V DC power supply, with integrated DC 6mA and AC 30mA action output functions, and outputs HS-out (Trip) signal. The residual current detection function meets the requirements of the IEC62752 standard. It is suitable for applications such as automotive IC-CPD, WallBox, charging cabinet leakage current monitoring, photovoltaic inverters, UPS systems, etc.



• Main Features:

- Isolated measurement
- Panel mounting
- Resolution: 0.2 mA
- Switch signal output
- Automatic calibration of zero-point parameters during self-check

• Product Advantages:

- Extremely low temperature drift
- Strong anti-interference capability
- High accuracy
- Magnetic gate principle
- Low magnetic flux leakage

• Precautions:

**Please apply in environments with pollution degree PD2 or inside equipment.
Please follow the correct wiring method when using.**

• Typical Applications:

- Wallbox
- Charging pile - Mode 2
- Charging pile - Mode 3

• Compliance Standards:

- GB/T41589-2022/IEC 62752:2018
- GB/T 40820-2021/IEC 62955:2018

Warranty Contact

Customer Name: _____

Contact Phone: _____

Customer Address: _____

Repair Content: _____

Salesperson: _____

Customer Signature: _____

Repair Content: _____

Salesperson: _____

Customer Signature: _____

Repair Content: _____

Salesperson: _____

Customer Signature: _____