

AC Charging pile

User's Manual



Welcome

Thank you for choosing our electric vehicle charger.

This EV charger supports smart charging with a smart control APP, which can be accessed through optional WIFI or Bluetooth. It includes features such as remote start/stop, reservation, setting the output current, and monitoring the charging status, among others.

Please use your SMART phone to scan the following QR code and download the latest APP.



APP

This documentation provides general descriptions and technical characteristics of our products' performance. However, it is not intended as a substitute for determining the suitability or reliability of these products for specific user applications. Users must perform appropriate and comprehensive risk analysis, evaluation, and testing of the products concerning their relevant specific application or use.

Our company is not liable for any misuse of the information herein. If you have suggestions for improvements or amendments or have identified any errors in this publication, please notify us.

Reproduction of this document, except for personal, non-commercial use, requires written permission from our company. Hypertext links to this document are prohibited. Please consult this document at your own risk, using a non-exclusive license. All other rights are reserved.

To ensure safety and compliance with regulations, please follow all relevant state, regional, and local safety regulations when installing and using this product. Only the manufacturer should conduct repairs to components to maintain adherence to documented system data and for safety reasons.

When using these devices for applications with specific technical safety requirements, be sure to follow the relevant instructions for proper operation and safety.

Ensure to use our company's software or approved software with our hardware products to avoid injury, harm, or improper operation.

CONTENTS

Welcome	1
Safety Information	3
1. Product Overview	4
2. List of Accessories.....	5
3. Main Technical Parameters	6
4. Installation Instructions	7
5. Smart Phone APP User Guide	9
6. Charger User Guide.....	10
7. Error Codes	10
8. Recycling and Disposal.....	11

Safety Information

Before using or maintaining this product, it is important to read the following safety instructions carefully. Failure to follow and implement all the specified instructions and procedures may invalidate the warranty, and therefore our company will not be liable for any claims.

DANGER

- Do not open the charger.
- Do not use the charger if it is damaged.
- Do not use an extension lead on the charging cable.
- Do not touch or insert foreign objects into the plugs.
- Do not install the charger near flammable, explosive, or combustible materials.

WARNING

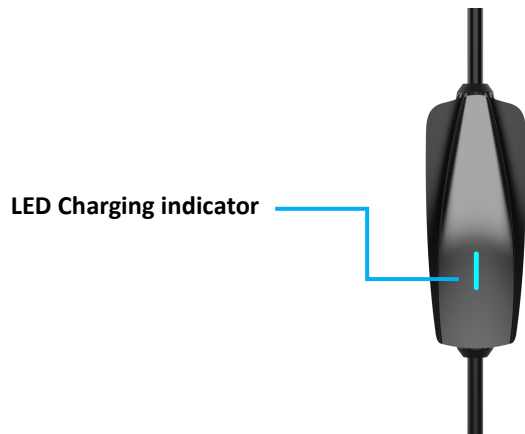
- The charger must be kept out of reach of children.
- The EV charger must be connected to a protective earth conductor.
- The electrical installation must comply with all local applicable safety requirements, standards, and guidelines.
- No modifications should be made to the EV charger.
- Components should not be changed or replaced by the end-user or unqualified personnel.

1. Product Overview

Our EV chargers are designed to provide a smart, stable, and reliable charging experience for electric vehicle owners.

1.1 Main Features of the Products

➤ LED Charging Indicator:



Blue – Standby;

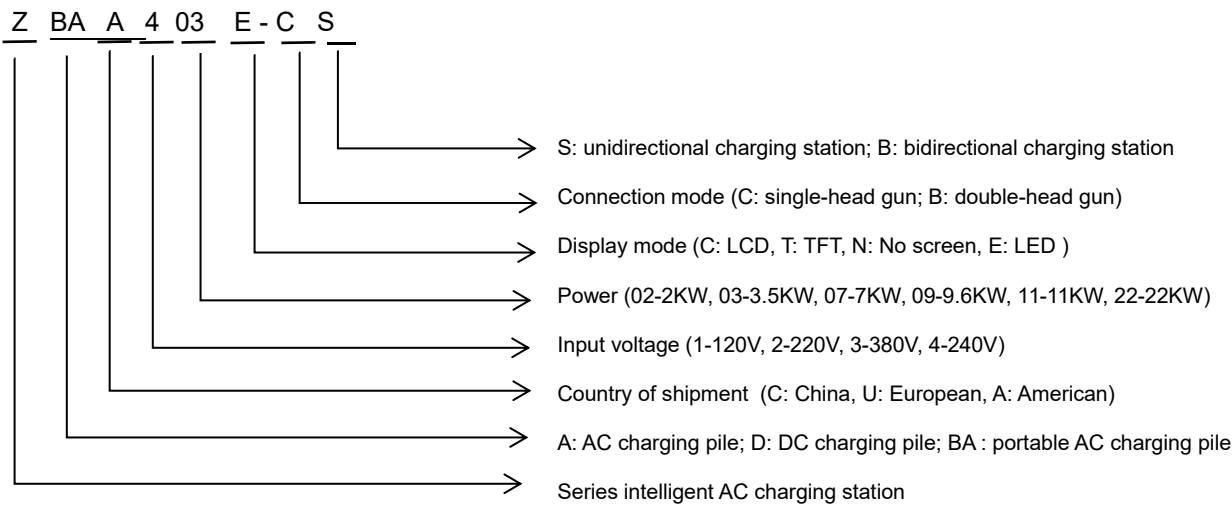


Green (flashing) – Charging in progress;

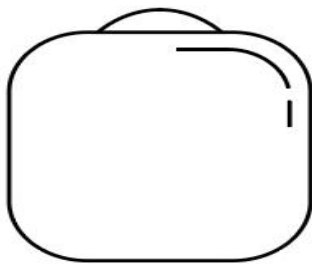


Red – Error.

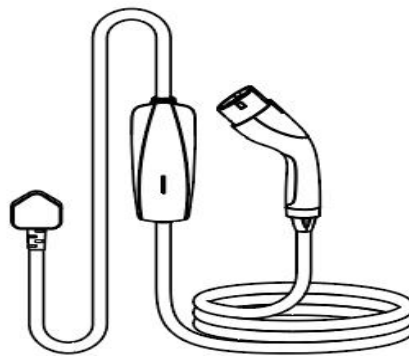
1.2 Model Description



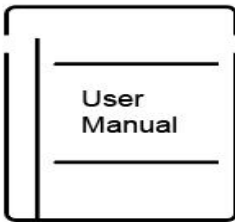
2. List of Accessories



1* Carry Bag



1* Portable EV Charger



1* User Manual

3. Main Technical Parameters

Product Name	Single-phase Charger
Case Material	PC+945A-V0
Product Size	W210*D81.5*H55mm
Cable Length	6M
Mounting	Installation-free
Wire-in	Bottom Feed
Input Voltage	AC 240V±20%
Input Frequency	60±3Hz
Rated Power	3.8KW
Output Voltage	AC 240V±20%
Output Current	16A (max)
Standby Power Consumption	< 5W
Working Temperature	- 25 °C ~ + 50 °C
Storage Temperature	- 25 °C ~ + 50 °C

Working Altitude	<2000m
Ingress Protection	TYPE-3R
Cooling Mode	Natural Cooling
Safety Standard	UL 2231,UL 2594
MTBF (Mean Time Between Failures)	two years
Special Protection	UV protection design, Over voltage protection, Under-voltage protection, Over-current protection, Leakage protection, Grounding remind, Temperature protection, Waterproof protection, Power-off protection, Data protection.
warranty	two years

Insulation Resistance:

The insulation resistance between the input loop and ground, output loop and input to output of the charging station is $\geq 10\text{M}\Omega$.

4. Installation Instructions

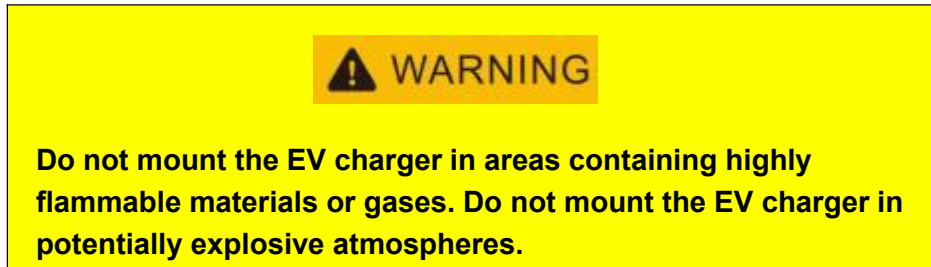


WARNING

All work on the equipment must only be carried out by qualified personnel who have read and fully understood all safety information and installation requirements contained in this manual.

4.1 Installation Environment Requirements

- 1) This AC smart charging station are suitable for outdoor application with its TYPE-3R structure.
- 2) Please ensure that the ambient temperature is in the range of -25°C to +50 °C.



4.2 Before Installation

- 1) Make sure an appropriate MCB (Main Circuit Breaker) is installed upstream of the AC power supply to the charger.
 - 2) Use protection. The selected circuit protection device must integrate the appropriate residual current device (RCD) and the corresponding electrical load overcurrent protection device.
- Use copper cables that comply with local wiring regulations. The selected cable must be able to withstand a continuous load of up to 50A for each period.

5. Smart Phone APP User Guide

(with optional WIFI/Bluetooth module)

5.1 To obtain the APP User Guide, please use your smart phone to scan the following QR code.



APP user Guide

6. Charger User Guide

6.1 Charge Control

- 1) When the AC power is connected, and the charging gun is not inserted, the LED indicator remains steady blue, indicating standby mode.
- 2) To start charging, use your mobile phone to scan the two-dimensional code on the charging gun. The two-dimensional code is affixed to the rear cover of the charging pile and supports scanning (APP download).

6.2 Charging State

- 1) After inserting the charging gun, the blue light will stay steady on. Once you connect to the APP, click on the "Quick Charging" option on your phone screen, and the LED light of the charging pile will turn green with a breathing effect.

Attention:

Don't unplug the EV Charger before the charging is completed, as there's risk of electric shock.

7. Error Codes

7.1 Before charging and starting, the following detection should be performed: ground leakage, relay adhesion, over-current, over-voltage, under-voltage, and over-temperature detection. If any of these values exceed the set limit, an error will be reported.

7.2 After the charging starts, if an error occurs, it will be reported on the portable pile, and the LED indicator of the charging pile will be steady red.

Error Code	Fault Description	Processing Mode
E01	Ground fault	Check whether the PE cable is not properly connected.
E02	Earth leakage protection	Unplug the charging gun and reset the safety switch. Warranty service is required if errors persist.
E03	Input over voltage	Wait for the voltage to return to normal

		after use.
E04	Input under voltage	Wait for the voltage to return to normal after use
E05	Over current protection	Unplug the charging gun and reset the safety switch.
E06	EV Charger is abnormal	Reinsert the charging gun.
E09	Fire-zero line reverse connection	Check whether the live and neutral wires are reversed.
E12	Charging pile temperature is too high	Turn off the air switch and use it after the temperature returns to normal.
E20	Relay open circuit	Unplug the charging gun and reset the safety switch. Warranty service is required if errors persist.
E21	Relay bonding	Unplug the charging gun and reset the safety switch. Warranty service is required if errors persist.
E22	Relay temperature is too high	Turn off the air switch and use it after the temperature returns to normal.

8. Recycling and Disposal

- 1) This device is intended for charging electric vehicles and is subject to the EU directive 2012/19/EU on waste electrical and electronic equipment (WEEE).
- 2) Disposal of this device must be carried out in accordance with the national and regional regulations for electrical and electronic equipment.
- 3) Old devices and batteries should not be disposed of with household waste or bulky waste. Before disposing of the device, it should be rendered inoperable.
- 4) Dispose of the packaging material in the region's designated collection container for cardboard, paper, and plastics.

