

AC Charging pile User's Manual



Welcome

Thank you for choosing Easy Charging AC charger.

This EV charger supports smart charging with a smart control APP, via optional WIFI or blue- tooth, includes remote start / stop, reservation, set output current, monitor charging status etc.

Please use your SMART phone scan the following QR code to download the Easy Charging APP.



APP

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Easy ChargingChina nor any of its or subsidiaries shall be responsible or liable for misuse of the information contained herein. If you have any suggestions for improvements or amendments or have found errors in this publication, please notify us.

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All pertinent regional, and local safety regulations must be observed when installing and using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer should perform repairs to components.

When devices are used for applications with technical safety requirements, the relevant instructions must be followed.

Failure to use Easy Charging software or approved software with our hardware products may result in injury, harm, or improper operating results.

Safety Information

Before using or maintaining this product, it is important to read the following safety instructions. Failure to follow and implement all the specified instructions and procedures, will invalidate the warranty and as such Easy Charging China 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

- 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.
- The charger must be out of reach from children.
- 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 must be made to the EV charger.
- Components should not be changed or replaced by the end-user or unqualified personnel.

1. Product Overview

AC Charging pile developed by **Easy Charging** that creates smart, stable and reliable charging experience for electric vehicles owners.

LED Charging indicator



1.1 Main features of products

- ①**LED Charging indicator:** Blue – Standby; Green (flashing) – charging in progress; Red – Error.

2. Main Technical Parameters

Product model	ZBAA407E- C S
Case Material	PC+945A-V0
Product size	L380*W 220 *H110mm
Mounting	installation-free
Wire-in	Bottom feed
Net weight	5.7kg
Cable length	7m
Input voltage	AC 240V±20%
Input frequency	60±3Hz
Rated Power	11.5KW
Output voltage	AC 240V±20%
Output current	48A (max)
Standby power consumption	<5W
Working temperature	- 2 5 °C ~ + 5 0 °C
Storage temperature	- 4 0 °C ~ + 8 0 °C

Working altitude	<2000m
Ingress Protection	TYPE 3R
Cooling mode	natural cooling
Warranty period	Two Years
Special protection	UV protection design
OVP , UVP, OCP, Leakage protection, Earthing reminder, temperature protection, waterproof protection, power-off protection, data protection.	

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

3. 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.

3.1 Installation environment requirements

3.1.1 This AC smart charging piles are suitable for outdoor application with its IP65 structure.

3.1.2 Please ensure that the ambient temperature is in the range of -25°C to +50°C .



WARNING

Do not mount the EV charger in areas containing highly flammable materials or gases. Do not mount the EV charger in potentially explosive atmospheres.

3.2 Before Installation

3.2.1 Make sure an appropriate MCB (Main Circuit Breaker) is installed at upstream of AC power supply to the charger.

3.2.2 Use protection. The selected circuit protection device must integrate the appropriate residual current device (RCD) and the corresponding electrical load overcurrent protection device.

3.2.3 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.

4.Smart Phone APP User Guide (with optional WIFI/Bluetooth module)

4.1 Please use your smart phone to scan the following QR code to obtain the APP user Guide.



APP user Guide

5.Charging pile usage guide

5.1 Charge control

- ① When the AC power is input and the gun is not inserted, the LED indicator is steady blue, and the blue is standby mode.
- ② The mobile phone scans the two-dimensional code of the charging gun, and the two-dimensional code is affixed to the rear cover of the charging pile, which supports scanning code (download the easy charging APP).

5.2 Charging state

5.2.1 After inserting the gun, the blue light will be steady on. After connecting the easy APP, click the phone screen (quick charging) and the LED light of the charging pile will be green breathing light.

Attention:

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

Attention:

- 1) Don't unplug the EV Charger before the charging is completed, there's risk of electric shock.
- 2) Charging is prohibited during thunderstorms.
- 3) Do not touch the charging port directly when inserting or removing the connector. This may cause electric shock.
- 4) It is prohibited to modify the structure or internal wiring of charging piles without permission.
- 5) It is prohibited to remove the charging pile shell or safety barrier without authorization.
- 6) If the charging pile enclosure is damaged, discontinue use and contact the operator.
- 7) Electric shock hazards exist at charging piles, and children may be injured if they touch the charging interface directly.
- 8) The manufacturer shall not be liable for accidents caused by children not being supervised according to the instructions.

6 Fault indication

6.1 Before charging and starting: Detection: ground leakage, relay adhesion, overcurrent, overvoltage, undervoltage, and overtemperature detection. If the value exceeds the set value, an error will be reported.

6.2 After the charging starts, an error is reported on the portable pile, and the LED indicator of the charging pile is steady red.

7 Warranty

Your Easy Charging AC Charging pile has the benefit of our guarantee, which covers the cost of repairs for 24 months from the date of installation or 27 months from the date of shipment, depending on which comes first. This gives you the reassurance that if, within that time, your charger is proven to be defective because of workmanship or material defect we will, at our discretion, either repair or replace the charger at no cost to you.

Warranty Limitations:

The Warranty is valid only for products purchased either directly from Easy Charging or from an authorized reseller of Easy Charging Co., Ltd.

- 1) Any defect or damage which is a result of repair, alteration, or modification performed without the written permission of Easy Charging ;
- 2) The use of parts not manufactured, sold or approved by Easy Charging in any replacement or repair;
- 3) Cases where the Easy Charging Product is operated on an electrical supply which is not in accordance with the ratings specified in writing by Easy Charging Co., Ltd.;
- 4) The Easy Charging Product is damaged as a result of incorrect installation or being used for a purpose for which it is not designed, sold or otherwise not in accordance with any written specified instructions for use or Easy Charging Product installation performed by third party Easy Charging not approved by

CUSTOMER or Easy Charging Co., Ltd.;

- 5) If changes occur in the condition or operational quality of the Easy Charging Product due to incorrect storage, transportation, mounting, climate or any other influence outside the control of Easy Charging Co., Ltd.;
- 6) The Easy Charging Product is further damaged as a result of operating the product when it was known to be defective;
- 7) Easy Charging Product parts requiring replacement due to normal wear and tear including the replacement of the following parts: cables, couplers, and user interface;
- 8) When Easy Charging Product damage is caused directly or indirectly by utility supply problems, insect or animal attacks, lack of user care, vandalism, incorrect power supply, electrical storm damage, flooding or any other weather phenomena.
- 9) Unauthorized operation or modification of the Easy Charging Product or any disregard of the instructions contained in the User manual;
- 10) Any loss, damage, or destruction to the Easy Charging Product due to an event of force majeure that is an act of nature; and/or.
- 11) Any loss, damage or destruction to the Easy Charging Product arising from, or caused or contributed to by, the Customer's or End-User's negligence or the negligence of the Customer's agents or servants.
- 12) The firmware changes due to the modifications asked by the customer or changes in standards.

8 Recycling and disposal

- 1) Disposal must be according to national and regional Regulations for electrical and electronic equipment respectively.
- 2) If the equipment is damaged, the old equipment and batteries must not be disposed of with household waste or large garbage..
- 3) Dispose of the packaging material in the region's usual collection container for cardboard, paper, and plastic

FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

*RF warning for Mobile device:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.