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7.4kW TYPE2 AC EV CHARGER



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HONGFA GROUP



HONGFA ELECTRIC



# INTRODUCTION

Hongfa, (Shanghai Stock Exchange: 600885), founded in 1984, has been adhering to the enterprise spirit of "persevere for progress, strive for excellence", and has built a complete industry system with complete categories and supporting facilities. At present, Hongfa has more than 30 subsidiaries and has established three districts of R & D and production bases. Its products cover various categories, such as medium and low voltage products, relays, high and low voltage switchgear, capacitors, precision parts and automation equipment.

Xiamen Hongfa Electric Co., Ltd. is a wholly-owned subsidiary of Xiamen Hongfa Electrical Acoustics Co., Ltd. It was established in 1995 with a registered capital of 130 million yuan.

The company is primarily engaged in the research, development, production, and sales of medium-voltage components, high and low-voltage switchgear assemblies, charging stations, and intelligent products. It is a designated manufacturer of high and low-voltage switchgear assemblies for the former Ministry of Machinery and Ministry of Electric Power.

With over 20 years of experience in the research, development, and manufacturing of high and low voltage switchgear, we have achieved international advanced levels in product technology, process, and quality.

The product is widely used in smart grid, new energy, building power distribution, rail transit, industrial control, network communication, security and fire protection and other industries.

In the United States, Europe, Southeast Asia and other regions, Hongfa has established localized marketing and service networks with global market operation and technical service. Relying on professional and rigorous technical support, fast response and all-round service, safe and reliable product quality and high cost performance, Hongfa has reached business cooperation relationship with many global top 500 enterprises and other well-known enterprises, such as Enel, GE, Honeywell, Carrier, Trane, Johnson Controls, Danfoss, State Grid, China Southern Power Grid, CRRC, China Mobile, China Unicom, etc.



Donglin Industrial Park



Zhangzhou Industrial Park



Haicang Industrial Park



Zhongjiang Industrial Park



Zhoushan Industrial Park



Xi'an Factory

In terms of technology R & D and manufacturing, taking the national enterprise technology center as the platform, Hongfa has set up postdoctoral research workstation, academician and expert workstation. Now it has developed into a leading scientific research and production base in the industry. From product development, mold manufacturing, parts manufacturing, automated product assembly and online testing, Hongfa has successfully built an integrated whole industry chain of medium and low voltage products. In terms of product testing, Hongfa testing center has passed the certification of VDE, UL, CNAS and other international organizations, and has complete testing and analysis equipment for low-voltage products, such as 50kA ultimate short circuit test, 8kA electrical life test, 80kA characteristic test, mechanical simulation and testing system, electro-magnetic simulation and testing system.

Hongfa always adheres to the policy of "focused on the market, winning through quality", and has a completed quality assurance system. Its products have passed UL / CUL, VDE, CQC, CCC and other international safety certification. In the process of quality management, Hongfa actively implements the advanced quality concept, constantly improves the quality management system, continuously promotes the product process quality control and testing, strengthens the supply chain management, and is committed to providing each customer with high-quality products and creating greater value.

Advanced technology and strict quality control have created Hongfa's brand strength. Hongfa is willing to work hand in hand with global customers to share the convenience and well-being brought by science and technology.



Sunban Industrial Park



HF-CA07-32E  
7.4kW TYPE 2 AC EV CHARGER

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NOTE:  
The contents and data in this catalogue are not binding. We reserve the right to modify the contents of this document on the basis of technical development of the products, without prior notice. The real order requirements and technical agreements shall prevail.

## Product certificates and reports


  
 Product Service

# Attestation of Conformity

No. T8A 129906 0001 Rev. 00

Model(s): HF-CA07-32E

Trade name: HONGFA

**HONGFA**

## Parameters:

Rated voltage (V)	230V <sub>AC</sub> , LANPE
Rated current (A)	32
Rated power (kW)	7.4
Rated frequency (Hz)	50
Ovenvoltage Category (CVC)	OV III
Degree of protection	IP25
Protection Class	Class I
Operating temperature	-25 °C to 50 °C
Environmental conditions	Residential



64.913.24.31825.01  
 (EN 301 489-1 V2.2.3.2019, EN 301 489-17 V3.2.4.2020, EN 301 489-52 V1.2.1.2021,  
 EN IEC 61851-1-2:2021, EN IEC 61000-3-11:2019, EN 61000-3-12:2011)  
 64.913.24.31825.01-R1  
 (EN 300 328 V2.2.2.2019, EN 62311:2008, EN IEC 62311:2020)  
 64.913.24.31825.01-IC2  
 (EN 300 328 V2.2.2.2019, EN 50663:2017, EN 62479:2010)  
 64.913.24.31825.01-F3  
 (EN 301 908-1 V15.2.1.2023, EN 301 908-13 V13.2.1.2022)  
 64.913.24.31825.01-EMF  
 (EN 62311:2008, EN IEC 62311:2020, EN 62479:2010, EN 50663:2017)  
 64.105.24.31825.01  
 (IEC 61851-1:2019)

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This Attestation does not replace the regulatory EU Declaration of Conformity (DoC) and does not allow for CE marking. After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives, the manufacturer may sign a DoC and apply the CE marking. The DoC is issued under the sole responsibility of the manufacturer.

TÜV SÜD Product Service GmbH • Rodensträße 65 • 80339 Munich • Germany

TÜV

	
<b>TEST REPORT</b> <b>IEC 61851-1:2017</b> <b>Electric vehicle conductive charging system</b> <b>Part 1: General requirements</b>	
Report Number.....	64.105.24.31825.01
Date of issue.....	2025-01-20
Total number of pages.....	48
Name of Testing Laboratory preparing the Report.....	TUV SUD Certification and Testing (China) Co., Ltd. Guangzhou Branch
Applicant's name.....	Xiamen Hongfa Electric Co., Ltd.
Address.....	No.15-1, Dongfuxi Second Road Huangshi District 361028 Xiamen PEOPLE'S REPUBLIC OF CHINA
<b>Test specification:</b> Standard..... IEC 61851-1:2017 Test procedure..... CE-RED Safety test report Non-standard test method..... N/A TRF template used..... IEC602-00-2021-F022, Ed.1.5 Test Report Form No..... IEC61851_1D Test Report Form(s) Originator..... VDE Prüf- und Zertifizierungsinstitut GmbH Master TRF..... Dated 2023-06-02	
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<div style="display: flex; justify-content: space-between;"> <div>           Printed No. 64.105.24.31825.01            Rev.: 00            Date: 2025-01-20            Page: 1 of 48         </div> <div> <a href="http://www.tuv-sud.cn">http://www.tuv-sud.cn</a>    </div> <div>           TUV SUD Certification and Testing (China) Co., Ltd.            Guangzhou Branch, TUV SUD Group             51048 East, Communication Building, No.153 Pingnan            Road, Huangshi Area, West, Guangzhou 510050, China         </div> </div>	

## Test Report

### Electromagnetic Radiation Field Exposure

Report Number	: 64.913.24.31825.01-EMF	Date of Issue:	: 2025-02-18
Model / Serial No.	: HF-CA07-32E		
Product Type	: AC Electric Vehicle Charging Station (AC EV Charger)		
Applicant	: Xiamen Hongfa Electric Co., Ltd.		
Address	: No.15-1, Dongfusi Second Road Haicang District 361028 Xiamen PEOPLES REPUBLIC OF CHINA		
Manufacturer	: Xiamen Hongfa Electric Co., Ltd.		
Address	: No.15-1, Dongfusi Second Road Haicang District 361028 Xiamen PEOPLES REPUBLIC OF CHINA		

Test Result ☒ Positive ☐ Negative

Total pages including Appendices : 14

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Report Number: 64.913.24.31825.01-EMF

TUV SUD Certification and Testing (China) Co., Ltd. Guangzhou Branch

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Product Overview

Scope of Application

7.4kW Type 2 AC wall-mounted charging pile is designed for the fast and stable charging needs of European standard electric vehicles, in accordance with IEC62196 standards, suitable for Type 2 interface. The charging pile has multiple built-in security protection mechanisms to guard the charging process in an all-round way. The wall-mounted design fully considers the use of space, the appearance is simple and stylish, the lines are smooth, the compact structure and the lightweight body. Whether it is the garage wall of a private home, the parking space of an apartment building, or the underground parking lot of a commercial place, it can be easily installed.

Product Feature

- Novel appearance, compact size, wall-mounted installation to save space.
- Widely applicable to all types of electric vehicles, whether BEV、PHEV、REEV, all can use our charger.
- Safe guarding measures: multiple protection features.
- Designed to meet European requirements.
- Support Bluetooth、Wifi、4G、LAN.
- Support mobile APP and QR code charging.
- The product supports MQTT and OCPP1.6J protocols and can switch between them.
- Products have received TUV CE certification and report and SGS RoHS 2.0 report.

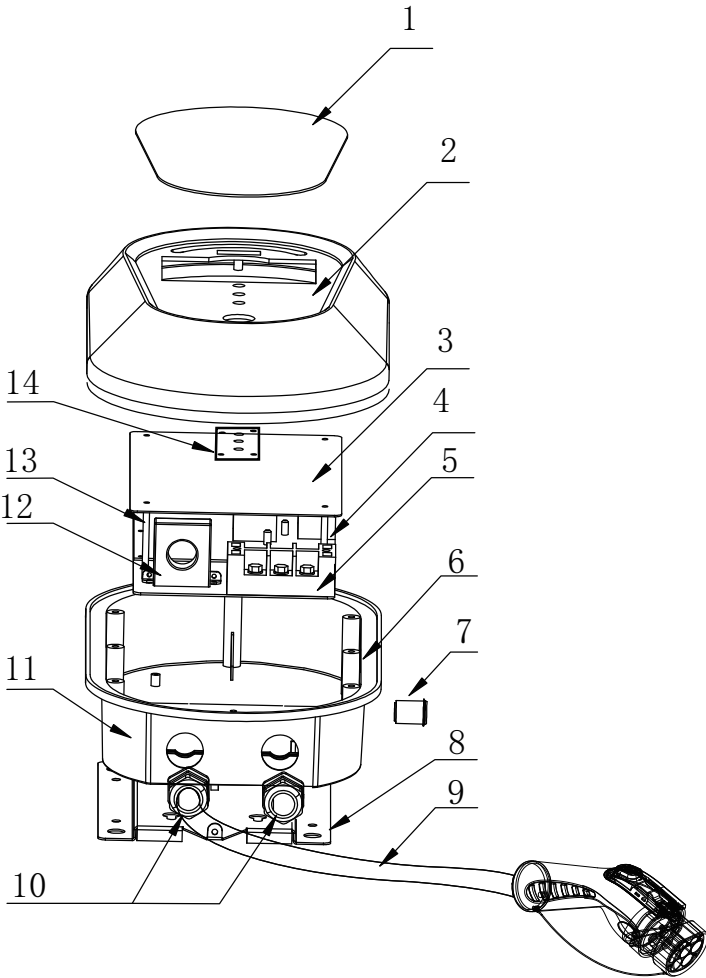
Product Picture



Standard

IEC	IEC61851-1, IEC61851-21-2, IEC62196-2, IEC62311, IEC61000-3-11, IEC61000-3-12
EN	EN 301 489-1, EN 301 489-17, EN 301 489-52, EN 300 328, EN 62311, EN 50663, EN 62479, EN 301 908-1, EN 301 908-13

Structure



1. Equipment panel

2. Front Cover

3. Shielding plate

4. Main Board

5. Electrical terminal

6. Cover Screw Hole

7. Emergency Stop Button
8. Wall Mounting Board

9. Type 2 Connector

10. Gland

11. Bottom casing

12. Type B leakage transformer

13. Main Borad Mounting Plate

14. LED Panel



Standard Operation And Installation Conditionse

- The ambient temperature is -25℃ ~ +50℃.
- Storage conditions: ambient temperature -40℃ ~ +70℃.
- The altitude of the installation site does not exceed 2000m above sea level.
- The pollution level is 3R.
- Protection class IP55.
- The charging pile shall be installed in a place free from danger of explosion, conductive dust, corrosive metals and damage to insulation and well ventilated.

Definition Of Product Model

HF

-C

A

07

-32

J

-W

S

2

B

W

Y

Enterprise Code: HONGFA

Product Code: Charger

Product Type

A:AC Charger      D:DC Charger

Rated Power:

7kW 11kW 22kW 30kW 40kW 60kW 120kW

160kW 180kW

Rated Current & Rated Voltage:

16A/32A/48A & 750V/1000V

Standard: J:Japan   E:Europe   A:America   G:GB

Mounting method:

W:Wall-mounted   L:Columnar   M:Mobile   P:Portabe   F:Fixed   S:Split

Plug and Socket:   S:Mounted   C:Line-of-sight

Plug Quantities:

1: 1 plug 2:2 plug 3:3 plug   4:4 plug 5:5 plug

Swipe Methods : B:Swipe card billing   C:Swipe card not charged   N:No need to swipe the card.   P:POS

Network type:   W:WiFi 4:4G   L:LAN   B:Bluetooth

Platform:

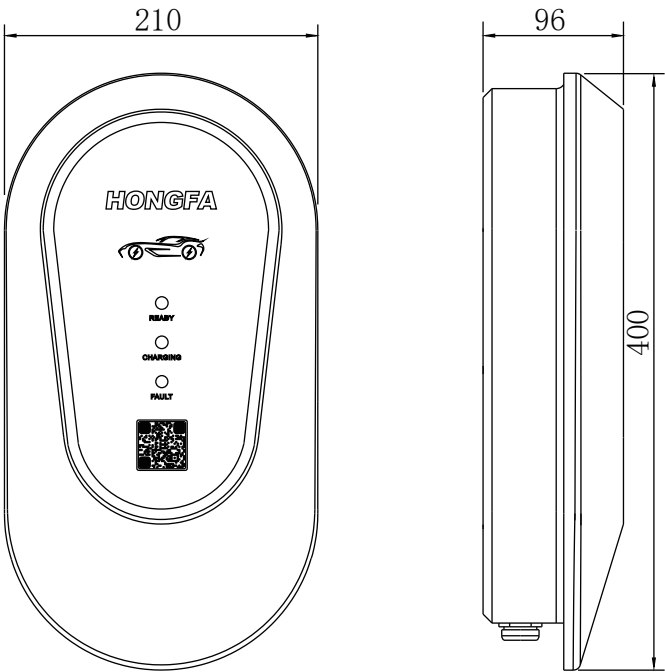
Y:YKC   E:EKC   C:OCPP1.6J   G:State Grid   N:Southern Power Grid   D:Dakeyun

Main Technical Data

Model	HF-CA07-32E
Type	Type 2 AC EV Charger
Mounting method	Wall-mounted
Rated power	7.4kW
Rated Voltage	AC230V±10%
Rated Current	32A
Frequency	50/60Hz
Input Cable length	/
Connector Cable Length	5m
Connector Standard	Type 2×1
Connector Durability	10000 cycles
LED Color	Green(Ready)、Blue(Charging)、Red(Fault)
Charger Method	Mobile APP or Scan QR Cord
Network Connection	Bluetooth、Wifi、4G、LAN
Communication Protocol	OCPP 1.6J+MQTT
Leakage Protection	30mA AC+6 mA DC
Safety Function	Over-voltage protection, Under-voltage protection, Overload protection, Short circuit protection, Grounding protection, Over-temperature protection, Lightning protection
Operating Temperature	-25℃~+50℃
Humidity	5%~95%
Altitude	<2000m
IP Degree	IP55
Dimension	210×400×96mm (L×H×D)
Net Weight	Approximately 4kg

Dimensions

Unit: mm



MEMO

