

HC48AS Series wall box AC Charging Station

Features:

- Bluetooth 5.2
- WIFI 2.4G/5G dual frequency
- IoT
- OCPP 1.6/2.0
- APP Control
- RFID (Optional)
- Dynamic Load Balancing
- Sequential charging
- Smart charging
- Type 3R



HC32AS
HC40AS
HC48AS
HC48AN



Safety Warning

Please be sure to read the following safety instructions before use:

- ① Only applicable to electric vehicles that comply with the IEC 61851 protocol.
- ② It is prohibited to use in humid, high temperature, flammable and explosive environments.
- ③ Before charging, check whether the charging gun and cable are damaged. If there is any abnormality, stop using it immediately.
- ④ Children must operate under adult supervision.

Product Model

H C 48 A S

HIITIO Code

Product series: Charging

Rated current : 32、 40、 48

A: AC

Standard : S:SAE J1772 (Low speed charging standard)
N:NACS (only 48A) Tesla vehicle model usage standards

Datesheet

Item	Specification			
Product Information	Model	HC32/40/48AS		HC48AN
	Standard	SAE J1772		NACS
	Input Voltage	208/240VAC		208/240VAC
	Output Voltage	208/240VAC		208/240VAC
	Rated Current	32A / 40A / 48A		48A
	Rated Power	7KW / 10KW / 11.52KW		11.52KW
	Frequenc	60Hz		60Hz
	Static Power	<5W		<5W
Standards	RCD	CCID20+GMI		
	Degree	Type 3R		
	Warranty	2 years (warranty extension possible)		
	Certification	UL ROHS		
	Certification Standard	UL2594 UL2231 UL991 UL1998		
	Electrical Protection	Over voltage protection	Under voltage protection	
Features		Over load protection	Short circuit protection	
		Leakage protection	Over temperature protection	
		Lightning protection	Ground protection	UV resistance
	Bluetooth 5.2	Yes		
	WIFI 2.4G/5G	Yes		
	4G	Optional		
	IoT	Yes		
	OCPP	1.6/2.0		
	APP Control	Yes		
	RFID	Yes		
	Support for RS485	Optional		
User interface	Dynamic Load Balancing	Yes		
	Sequential charging	Yes		
	Smart charging	Yes		
	Cable Length	5m/7.5m (Customizable)		
Environment	Cable Jacket	TPE		
	LCD Display	4.3 inches		
	Charge Connector	Type 1/NACS Plug		
	Operating Temperature	-30°C ~ +50°C		
Package	Operating Humidity	5%RH~95%RH		
	Operating Altitude	< 2000m		
	Cooling	Natural air cooling		
	Product Dimension	400(L)x246(W)x100(H)mm		
	External Package	Color box (Customizable)		
	Weight	6KG-8KG		

Component Description

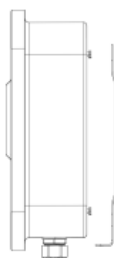
Connector:	Connect to the vehicle charging port.
Control box:	Displays charging statusDindicator/screen).
Cable:	Length 7.5 meters(standard configuration).



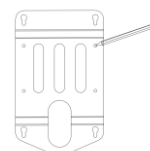
How to install



1. Take out the equipment from the box and remove the screws that secure the stand.



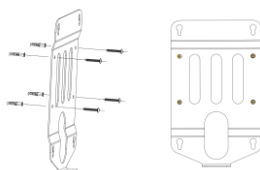
2. Remove the bracket.



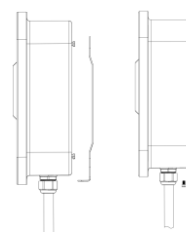
3. Align the four holes of the bracket and use a pen to mark points on the fixed wall. Note that the height of the hole below from the ground should be greater than 140cm.



4. Put down the bracket and use an electric drill equipped with a 6mm drill bit to drill holes at the marked points.



5. Insert a 6mm plastic tube into the hole, with the bracket facing the hole. Then tighten the 6mm*30 screw.

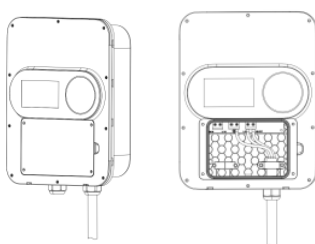


6. Hang the charger on the bracket and tighten the fixing screws at the bottom.

How to wire



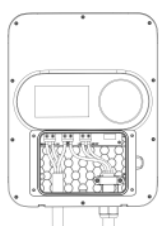
7 Remove the cover of the device.



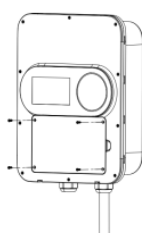
8 Remove the small cover plate from the middle layer of the device.



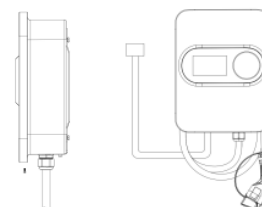
9. Thread the wall end line into a metal tube, ensuring that the diameter of the metal elbow is not greater than 34.5mm. (The wall end line and metal tube need to be provided by the user, and the metal tube is optional)



10. Connect L1, L2, and GND at the wall terminal to the corresponding devices. The screw holes for L1, L2, and GND, and tighten the screws. Please ensure the wall end line is correct. Use copper conductors.



11 Close the small cover plate of the middle layer of the equipment and tighten the 8 fixing screws.



12. Close the cover of the device and tighten the two screws under the cover, then turn on the wall. Connect the power supply, the screen displays voltage and other data. Insert the charging gun into the car's charging port, and it will start charging. (If APP control is required, you can scan the QR code on the last page of the instruction manual) (QR code for APP operation instructions)

Display Interface



- ① LOGO
- ② Transient power
- ③ Charger Status
- ④ Transient voltage
- ⑤ Transient current
- ⑥ Current electrical energy
- ⑦ Charging period
- ⑧ Accumulated power
- ⑨ Chager id
- ⑩ Firmware version
- ⑪ BLE status
- ⑫ Temperature
- ⑬ WIFI/4G status

Operation steps

1. Preparation before charging

- ① Make sure the vehicle is turned off.
- ② Check that the charger power cord is properly connected (the socket must be grounded).

2. Start charging

- ① Insert the charging gun into the vehicle's charging port and make sure it is firmly in place.
- ② The charger automatically detects the vehicle status and the indicator light comes on (solid green means it is ready).
- ③ Start charging through the vehicle's central control or charger button (APP mode requires APP to start, see APP operating instructions for details).

3. Charging status indication

Light Status	Description
Static Green Light	Standby, not plugged in
Flashing Yellow Light	Plugged in
Breathing Green Light	Charging normally
Static Yellow Light	Stop charging

End charging

- ① Stop charging via vehicle or charger.
- ② Unplug the charging gun and put it back into the bracket.
- ③ Turn off the power (if necessary).

Light status

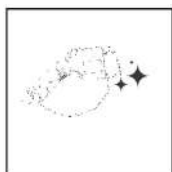
Indicator Light Definitions (Red, Green, Blue, Yellow)		
Color Change	Meaning	Screen Note
Red Light - Yellow Light(~1500ms)	CCID ERROR	CCID ERROR
Red Light - Yellow Light(2000~500ms)	Over voltage	Over voltage
Red Light - Yellow Light(2000~1000ms)	Under voltage	Under voltage
Red Light - Green Light(2000~2000ms)	CP ERROR	CP ERROR
Red/Yellow/Green (2000/500/500)ms	Over temperature	Over temperature
Static Red Light	NO GROUND	NO GROUND
Red Light - Yellow Light(3000~1000ms)	Leak Current	Leak Current
Red Light - Green Light(2000~1000ms)	Meter Error	Meter Error
Red/Green/Yellow (3000/500/1000)ms	Over Current	Over Current
Red/Green/Yellow (3000/1000/1000)ms	Over Load	Over Load
Red/Green/Yellow (3000/2000/1000)ms	Short Circuit	Short Circuit
Flashing Red Light	Relay Error	Relay Error

Frequently asked questions

Problem solving method

The connector cannot be inserted/unplugged:	Check whether the charging port of the vehicle is unlocked.
If charging is interrupted:	Check the power supply stability or restart the charger.
If the indicator light is abnormal:	disconnect the power supply and contact after-sales service.

Maintenance and care



Clean the connector tip regularly to avoid oxidation of the metal contacts.



Do not excessively bend or press the cable.



Professional inspection should be carried out at least once a year.

After-sales service

✂ Warranty period: 2 years (non-human damage)  Technical support: sales@hiitio.com

 Official website: www.hiitio.com

Note: This manual is a general guide. Please refer to the actual product for specific operations.
Production date: See product label.