



7KW Wall-mounted, Column-type AC Charging Station

Scope of application

The AC charging station provides AC 50Hz, rated voltage 220V AC power supply for charging electric vehicles with on-board chargers, and is mainly suitable for the following places:

Large, medium and small electric vehicle charging stations;

Various public places with parking spaces for electric vehicles, such as urban residential communities, shopping plazas, and power business places;

Transportation hub areas such as high-speed service areas, stations and docks;

Real estate and project construction acceptance needs.

Features



- Provide two installation methods: column type and wall type;
- Adopt AC220V AC input;
- The main control board uses a single-chip microcomputer with an embedded operating system, and the charging mode is divided into automatic charging and charging mode



- There are four types of time, choice of charging amount, and choice of charging power. RS-485 networking can be reserved
- Communication interface, and provide optional GPRS, 4G and other networking methods.
- It adopts a 4.3-inch display screen and can set the charging mode (the display screen is only available in the operating version);
- Single-phase electronic electric energy meter is used for electricity metering, and communicates with the main control board through the RS-485 interface;



- Adopt non-contact smart card reader to read IC card related information and communicate with main control board through RS-485 interface,



- The main control board background program performs the identity identification, user information recording, and charging
- Electricity cost calculation, etc.; the incoming switch adopts a switch with leakage protection function, and installs an emergency stop button (swiping card power
- Can only be provided for the swiping version and the operating version);
- The shape adopts sheet metal and part of ABS plastic structure.

Technical Parameters

Detailed specifications	User Interface	7 inch highlight display
Charging equipment	Installation method	Wall-mounted /Column type
	Way of routing	Down in down out
	Dimensions	450*300*119.5(mm)[Operation, easy, swipe]
	Input voltage	AC220V±20%
	Input frequency	50±10Hz
	The output voltage	AC220V±20%
	Maximum output current	32A
	Cable length	3.5m
	Measurement accuracy	Level 0.5
	Electrical index	≥11
Electrical index	Current limit protection value	≥110%
	Voltage regulation accuracy	/
	Steady flow accuracy	/
	Ripple coefficient	/
	effectiveness	/
	Power factor	/
	Harmonic content THD	/
feature design	HMI	7 inch LCD display, LED indicator light strip
	Charging mode	Fully automatic / select charging capacity / select charging amount / select charging time
	payment method	APP payment / credit card payment / scan code payment
		Ethernet/2/3/4G (Optional)
Safety design	Executive standard	IEC 62196, SAE J1772
	security function	Overvoltage protection, undervoltage protection, overload protection, short circuit protection, grounding protection, over temperature protection, low temperature protection, lightning protection, emergency stop protection, leakage protection
Environmental indicators	Operating temperature	-25°C~+50°C
	Working humidity	5%~95% non-condensing cream
	Working elevation	<2000m
	Protection level	IP 54
	cooling method	Natural cooling
	Noise control	≤40dB
	MTBF	30,000 hours