
AC EV Charging Station

X1 Series

7/11/22 KW

User Manual

Version: 1.1



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1. PRODUCT BRIEF

1.1 Product Name: EV Charging Station

1.2 Model No.: X1 series

1.3 Suitable Vehicles: AC charging of plug-in and pure electric new energy vehicles.

1.4 This product uses charging mode 3 connection method C. It complies with the charging connector and new energy vehicle connection and communication standards specified by EU standard.

2. FEATURES

2.1 Easy to install, simple to operate

2.2 Automatically stop if fully charged

2.3 Emergency break protection

2.4 Multiple safety protection: Leakage current protection, Over current protection (OCP), Ground protection, over/under voltage protection (OVP/UVP), Short circuit protection, over temperature protection (OTP), Lightning protection, flame retardant protection, Surge protection, over load protection

2.5 Rated output power is 7/11/22kW. The maximum current is adjustable from 5 to 32A.

2.6 Equipped with intelligent displaying function to display charging status, capacity, charging time and other information in real time

2.7 High compatibility: Compatible with most mainstream new energy vehicle brands and models on the market.

2.8. CE certificated charging cable adopts pure copper and TPU sheath, good conductivity and heat dissipation, cold resistant and hot resistant, wear resistant, high toughness and waterproof

2.9 IP54 high grade waterproof and dustproof helps the charging station works in bad weather

3. TECHNICAL SPECIFICATIONS

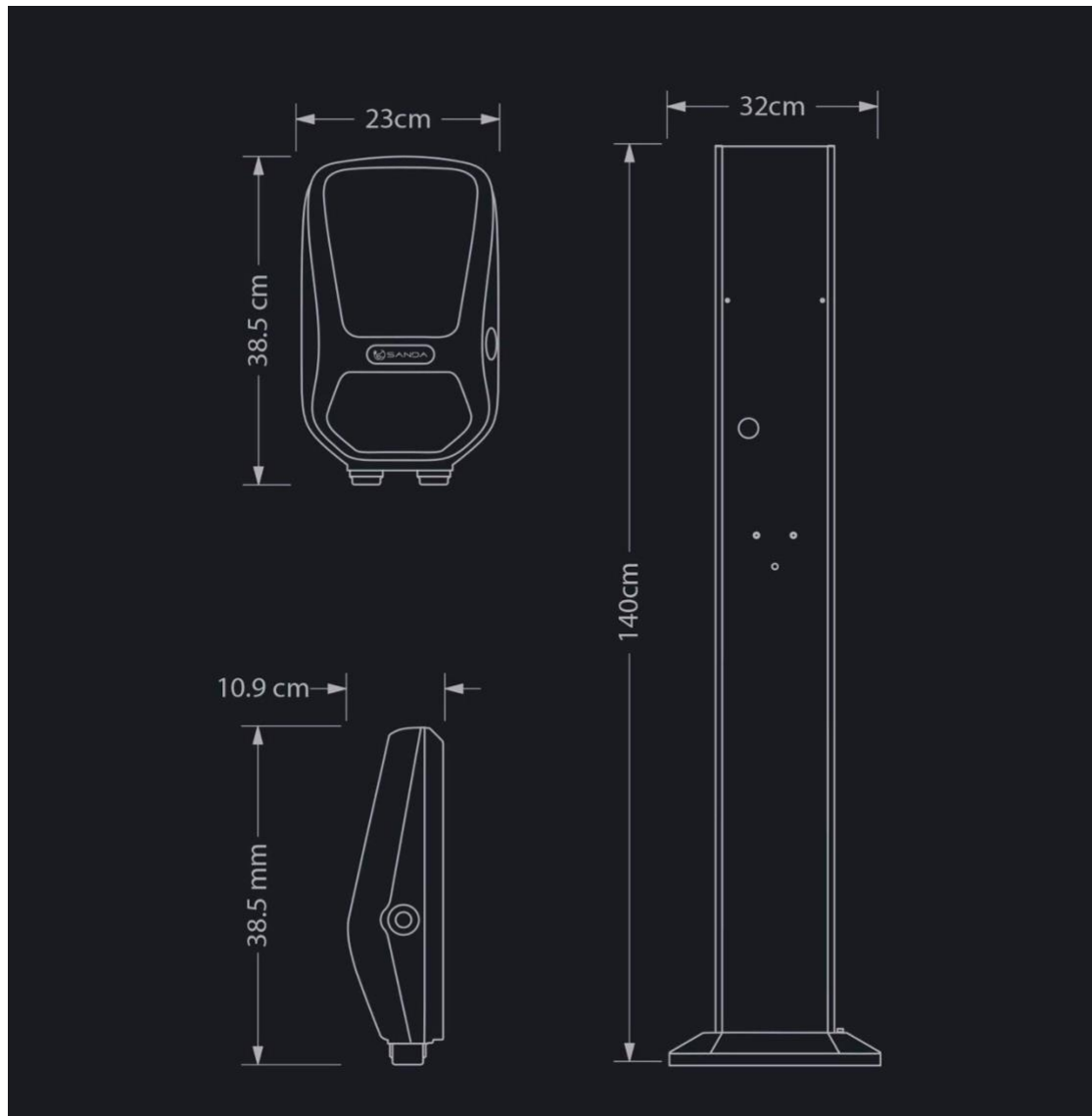
3.1 Product Appearance



3.2 Dimension

(1) EV charger: 230W*385H*102D mm

(2) Post: 320W*1400H*210D mm



3.3 Technical Parameter

		X1 Series (7/11/22kW)		
		CS1E-7KW-X1 / CS1C-7KW-X1	CS1E-11KW-X1 / CS1C-11KW-X1	CS1E-22KW-X1 / CS1C-22KW-X1
Input & Output	Rated input voltage	AC 230V±15%	AC 400V±15%	AC 400V±15%
	Rated output voltage	AC 220V±15%	AC 400V±15%	AC 400V±15%
	Rated input/output frequency	50Hz	50Hz	50Hz
	Electric Power	Single phase	Three phase	Three phase
	Maximum output current	32A	16A	32A
	Maximum output power	7KW	11KW	22KW
	Residual current detection(RCD)	Type A+6mA DC	Type A+6mA DC	Type A+6mA DC
	Cable length	5m TPU cable or customized	5m TPU cable or customized	5m TPU cable or customized
	Connector type(IEC62196-2)	Type 2	Type 2	Type 2
	Cable holder	•	•	•
UI & Control	Screen	LCD/LED	LCD/LED	LCD/LED
	Ethernet	○	○	○
	4G	○	○	○
	Bluetooth	•	•	•
	WIFI	○	○	○
	Charging method (RFID/APPJ)	RFID	RFID	RFID
Safety	Leakage current protection	•	•	•
	Over current protection	•	•	•
	Over/under voltage protection	•	•	•
	Over load protection	•	•	•
	Over temp protection	•	•	•
	Short circuit protection	•	•	•
	Ground protection	•	•	•
	Lightning protection	•	•	•
	Flame retardant protection	•	•	•
Surge protection	•	•	•	
Working Environment	Working temperature	-30°C – +70°C	-30°C – +70°C	-30°C – +70°C
	Relative humidity	0-95% no condensation	0-95% no condensation	0-95% no condensation
	Maximum Altitude	2000m	2000m	2000m
	Protection class	IP54	IP54	IP54
	Cooling	Natural air cooling	Natural air cooling	Natural air cooling
Others	Dimension (L/W/D)	230x109x385 (mm)	230x109x385 (mm)	230x109x385 (mm)
	G.W	5KG	5KG	5KG
	Cabinet Material	ABS+PC	ABS+PC	ABS+PC
	Certificates	CE	CE	CE
	Installation	Wall/post mounted	Wall/post mounted	Wall/post mounted

4. INSTALLATION GUIDE

4.1 Installation location selection

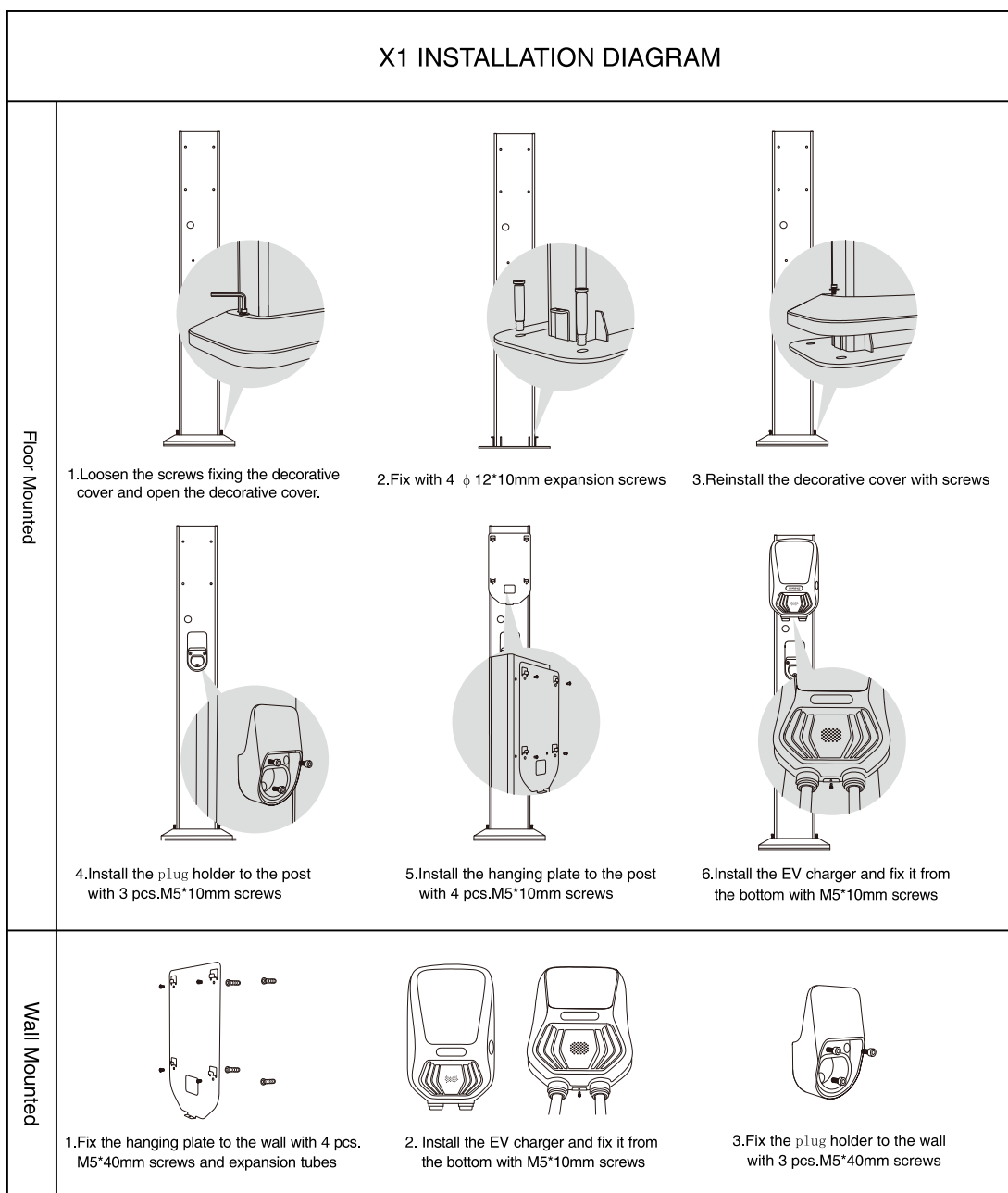
- (1) Choose a well-ventilated, dry place free of flammable and explosive items

(2) Avoid installation in locations where water accumulates, is humid, or is subject to impact

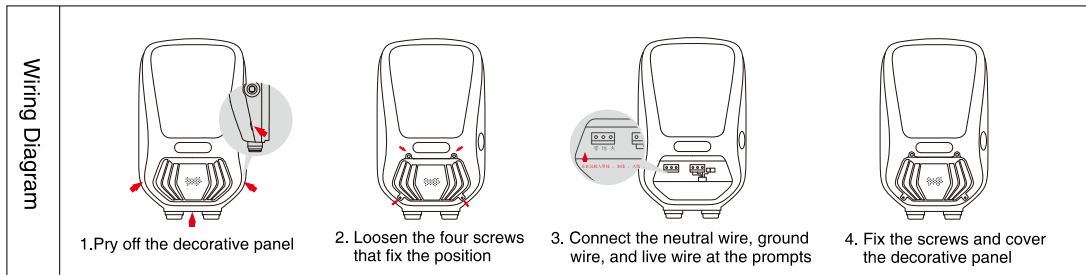
4.2 Installation steps

(1) After determining the installation location, use an electric drill to drill holes and install expansion bolts.

(2) Fix the EV charging station to the wall or post



(3) Connect the power incoming cable



4.3 CAUTION!

(1) Please make sure the power is turned off before installation and have it operated by a professional electrician

(2) During the installation process, wiring should be performed strictly in accordance with electrical installation specifications.

5. Equipment Debugging

This EV charging station is standalone version by default. The second DIP switch has been set to ON position to enter stand-alone mode before delivery. There are two starting modes as below:

5.1 Plug and Charge mode:

Insert the plug into the vehicle to start charging, remove the plug from the vehicle to end charging.

Plug and Charge mode is not available if a card has been registered to the EV charging station.

5.2 Swipe card to charge mode:

a. **Register card:** Turn the third-digit DIP switch to ON. After

powering on, it will display C00. If the card is successfully swiped, the number of C00 will be increased by 1, such as C01 C02. Up to five cards can be registered. After the registration is completed, power off, turn the third DIP switch to OFF, and power on again.

b. **Complete registration:** When the equipment is powered off, turn the third DIP switch to OFF.

c. **Delete card:** Turn the three-digit DIP switch to ON and C00 will be displayed after power on.

5.2 Indicator Information



6. Instructions For Use

6.1 Connect to vehicles

Plug the charging gun into the vehicle charging port and make sure the connection is secure

6.2 Start Charging

- (1) For swipe-card-to-charge mode, swipe the card to start
- (2) For plug and charge mode: insert plug into vehicle to start

Plug and Charge mode is not available if a card has been registered to the EV charging station.

6.3 Stop Charging

- (1) After charging is completed, It will automatically stop
- (2) During charging, press the stop button to stop charging
- (3) In an emergency, press emergency button to stop charging.
- (4) After charging is completed, pull out the charging plug and return the charging plug to its original position.

7. Maintenance and care

7.1 Regular inspection

- (1) Check the appearance of the charging plug every month for damage or deformation.
- (2) Check whether the charging cable is damaged or aging

7.2 Cleaning

Regularly clean dust and debris on surface of the charging pile

7.3 Troubleshooting

If you encounter a fault, you can refer to the fault code and solution in the manual, or contact after-sales service personnel

8. Safety Precautions

8.1 Please make sure your electric vehicle charging port complies with local standards.

8.2 It is strictly prohibited to touch the charging plug head and vehicle charging interface during charging.

8.3 Avoid charging during thunderstorms.

8.4 If any abnormality is found at the charging station, stop using it immediately and cut off the power supply.

8.5 Do not attempt to dismantle, repair or modify charging pile.

8.6 Do not place flammable, explosive or combustible materials, chemicals, flammable vapors and other dangerous items near the charging pile.

8.7 Children are advised not to approach or use the EV charger during the charging process to avoid injury.

9. After-sales Service

This product provides a three-year warranty. During the warranty period, any damage caused by non-human factors will be repaired or replaced free of charge.

10. Accessory list

10.1 EV Charging station main body and charging cable

10.2 Hanging board

10.3 Installation screws and accessories

10.4 Certificate and warranty card