



CHARGER PEDESTALS AND CABLE MANAGEMENT

EVA/PED/55S



Single Pedestal

EVA/PED/55D



Back-to-back Pedestal

EVA/PCM/55S



Single Pedestal with cable
management system

EVA/PCM/55D



Back-to-back Pedestal with
cable management system

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1. Warnings

Safety Instructions

- Failure to follow the safety instruction can result in risk of death, injuries and damage to the device.

- The producer assumes no liability for claims resulting from this.

Electrical hazard

- The installation, commissioning and maintenance of the c is only performed by qualified and authorized electricians who are fully responsible for the compliance with existing standards and installation regulations. Observe the instruction given for selecting the location and the constructional requirements.

- If the requirement for the location and the corresponding precautionary measures is not met, this can result in death, serious physical injury or equipment damage.

- The EV charger is to be connected to a grounded, metal, permanent wiring system.

The evse pedestal is to be connected to a separate ground conductor run and connected to the grounding lug at the pedestal mounting pole.

Use of this manual

This installation manual is intended for qualified personnel only. You must adhere to the information and instructions in the manual about selecting the location, installation, and connection of the EV charger.

Installation Environment Instructions

- The EV charger should not be installed near dangerous area such as water pipes, gas pipes, and steam pipes to ensure safe use.

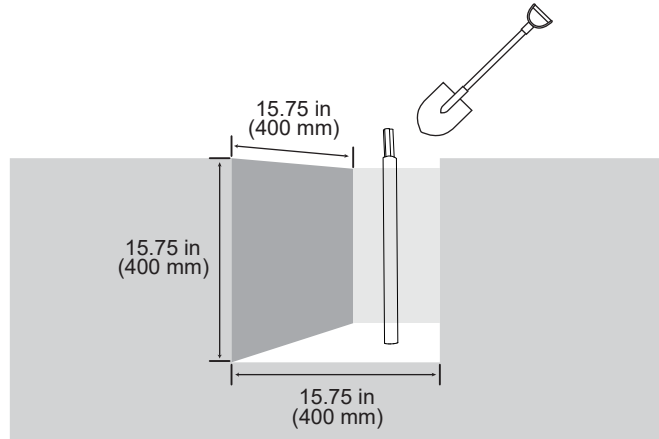
- After charging is completed, please promptly put the charging connector back into the plug holster, and avoid exposing the connector head directly to the outside to prevent abnormal pollution.

- It is essential to strictly follow the above installation environment instruction to ensure the normal use of the EV charger and the personal safety of users.

2. Mounting the base

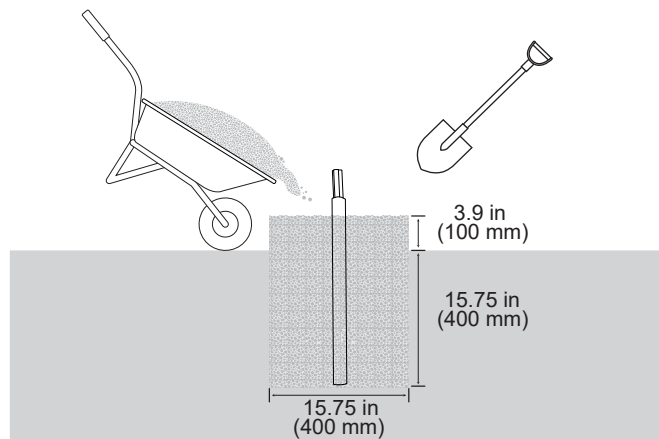
Step1

Prepare the Concrete Base



Step2

Concrete Base Requirements



3. Concrete Base Requirements

Step1

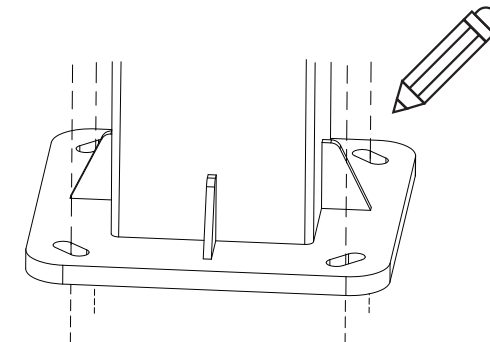
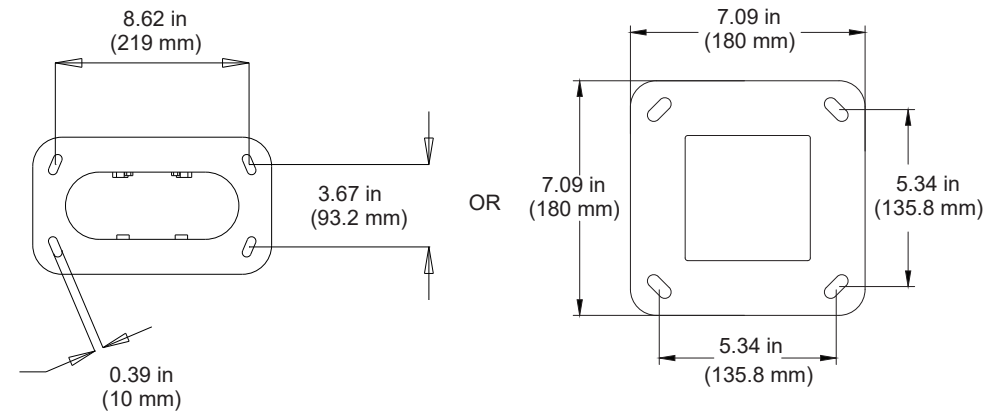
Mark the 4 holes on the concrete foundation using the base-plate of the pedestal. Make sure that the connection cable is located precisely underneath the opening in the base-plate.

Step2

Drill the 4 mounting holes: Diameter 10mm; Drill-hole minimum depth 84mm.

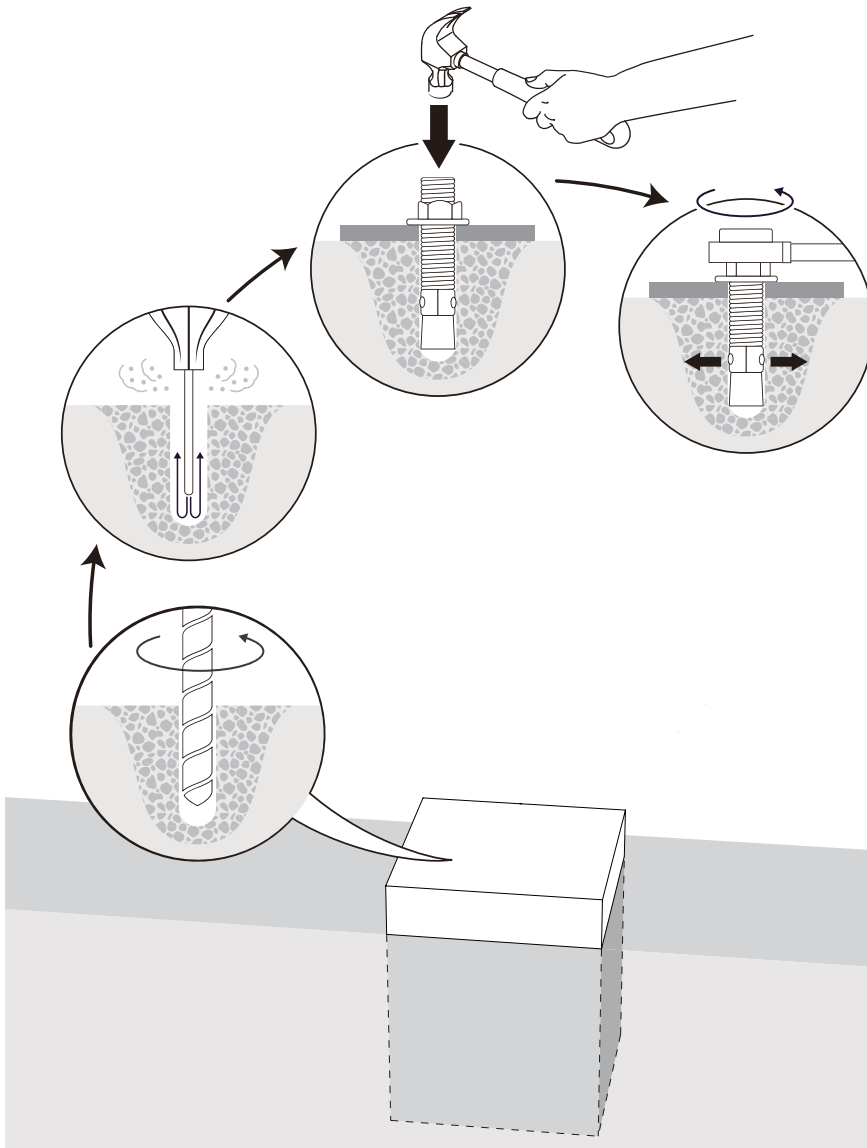
Step3

Hammer the anchors (not included) so that they are flush with the floor.



4. Anchoring

Fix the pedestal (Lower Part) to the concrete foundation with 4 sets of M8*100mm expansion screws



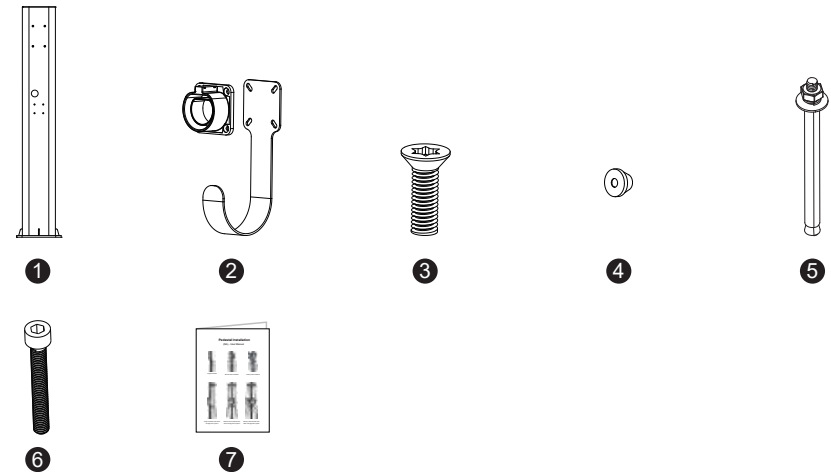
5. Installation

5.1 Regular Pedestal Installation

5.1.1 Packing list

No.	Description	Single Version	Back-to-back Version	Side-by-side Version
		QTY.(PCS)	QTY.(PCS)	QTY.(PCS)
1	Pedestal	1	1	1
2	Connector Base & Hook	1	2	2
3	M5*22mm Screw	6	10	10
4	Cable Gland	1	2	2
5	M8*100mm Expansion Screw	4	4	4
6	M8*16mm Screw	6	10	14
7	Installation Manual	1	1	1

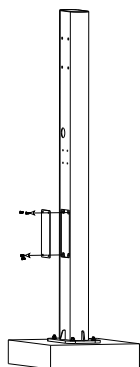
Check the box to ensure you have this installation guide and these parts:



5.1.2 Pedestal Installation

Step1

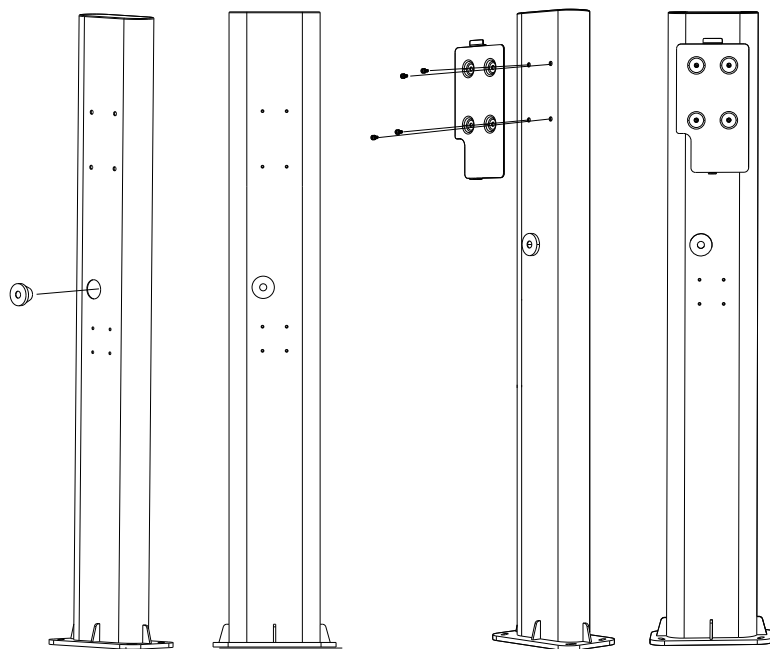
Release the 4pcs of M5*12mm screws of the wiring window at the back.



Step2

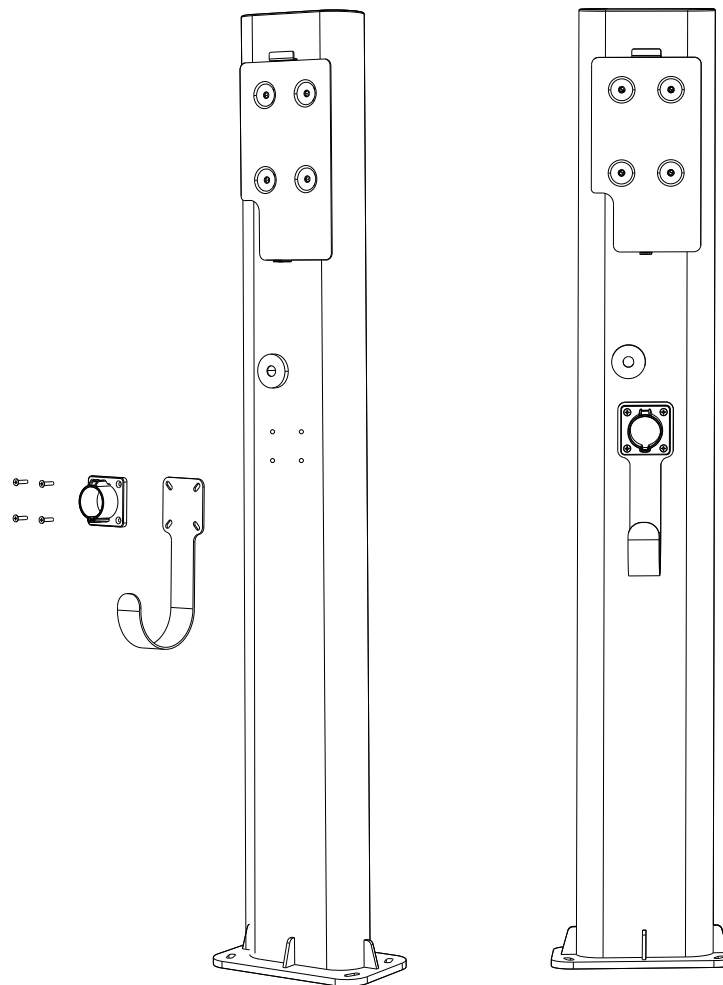
Insert one cable gland to the pedestal for single pedestal properly.

Take off the wall-mounted bracket of the charger, and fix it in the corresponding position on the pedestal with 4pcs of M8*16mm screws for single pedestal.
Repeat one more time on the back for Back-to-back version.



Step3

Use 4pcs of M5*22mm screws to fix the connector base and hook in the corresponding position.
Repeat one more time on the back for Back-to-back version.

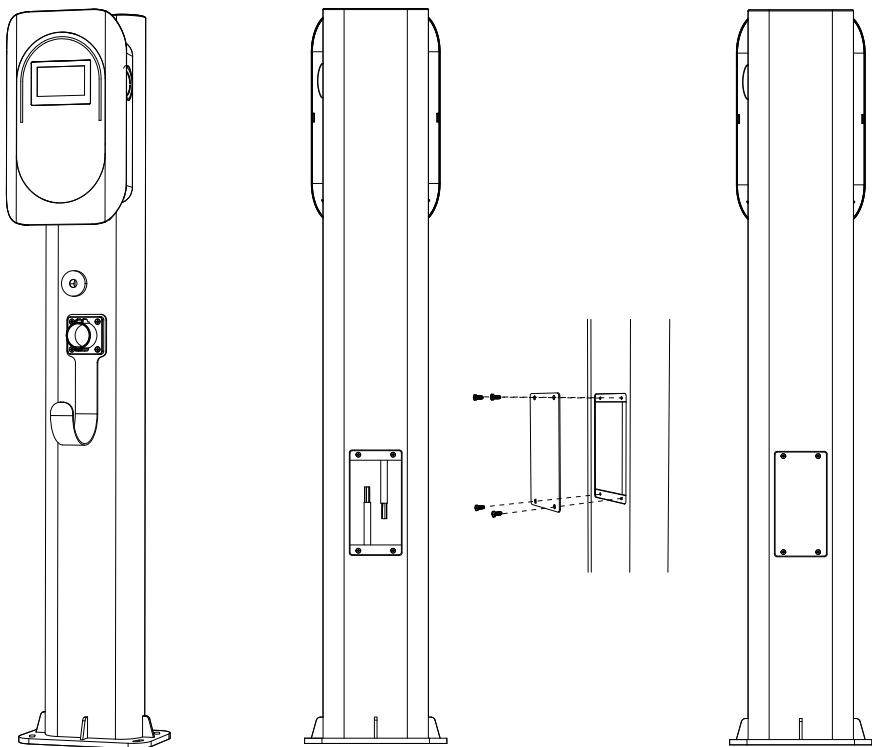


Step4

Mount the EV charger on the pedestal using 2 screws at the bottom of the charger.
(For the back-to-back version, repeat this step on the back)

Step5

Thread the connection cables from the bottom through the pedestal upwards through the wiring window.
Perform the electrical connection and commissioning in accordance with the instructions in the 'User Manual' of EV charger.
Fix the 4pcs M5*12mm screws to finish the installation.

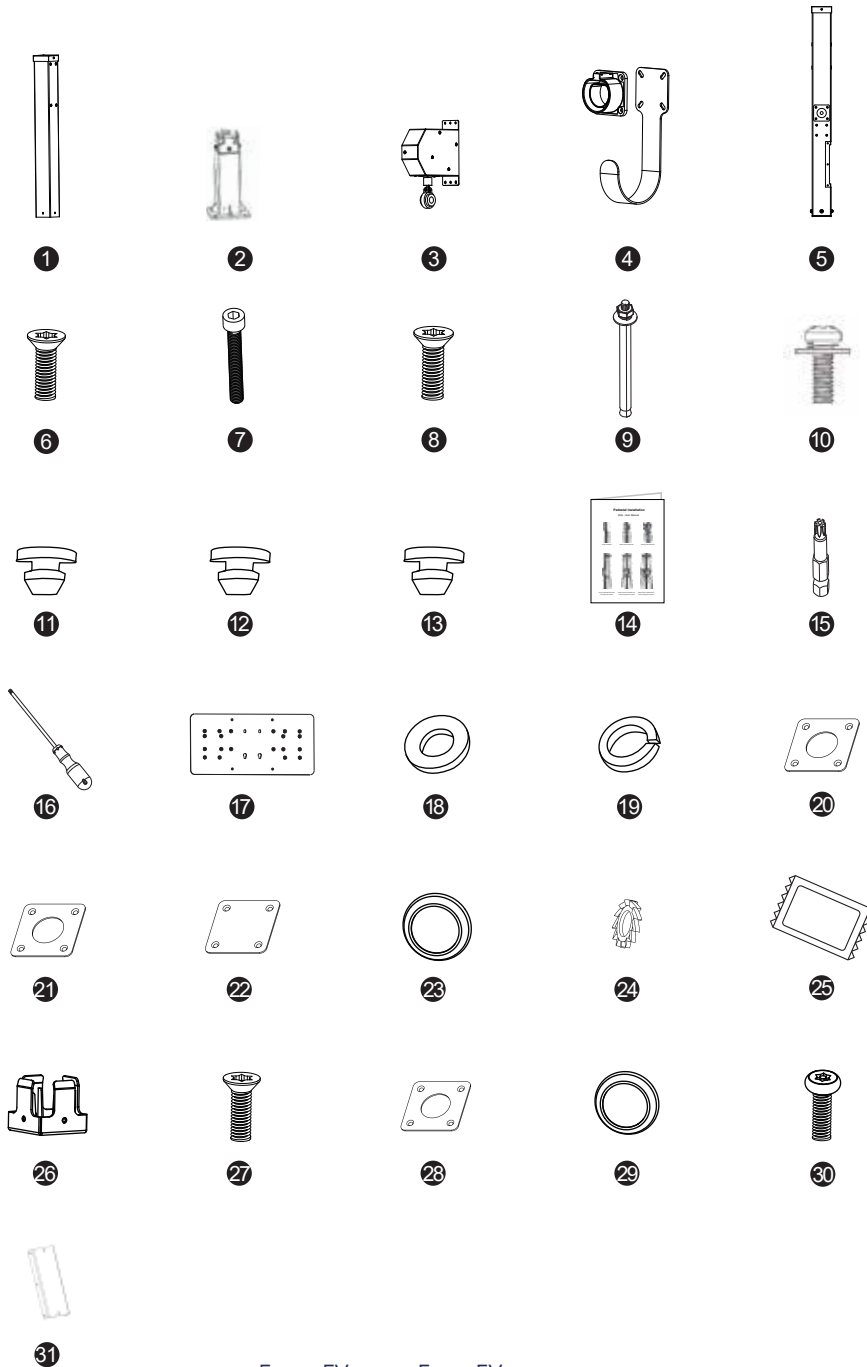


5.2 Pedestals with cable management system Installation

5.2.1 Packing list

No.	Description	Single Version	Back-to-back Version	Side-by-side Version
		QTY.(PCS)	QTY.(PCS)	QTY.(PCS)
1	Pedestal (Upper Part)	1	1	1
2	Pedestal (Lower Part)	1	1	1
3	Cable retractor	1	2	2
4	Connector Base & Hook	1	2	2
5	Pedestal (Middle Part)	1	1	1
6	M5*14Countersunk head screws	10	10	10
7	M8*18mm Screw	5	10	14
8	M5*22Countersunk head screws	5	10	10
9	M8*100mm Expansion Screw	4	4	4
10	M6*18mm Combination Screws	22	26	26
11	M8 Screw silicone stopper	5	0	5
12	M5 Screw silicone stopper	5	0	0
13	M6 Screw silicone stopper	5	0	0
14	Installation Manual	1	1	1
15	T25 Screwdriver	1	1	1
16	T30 screwdriver	1	1	1
17	Bracket (Optional, Not included)	0	0	1
18	M8 Flat Washer	0	0	2
19	M8 Spring Washer	0	0	2
20	Metal Cover (For NPT)	1	2	2
21	Metal Cover: φ50.3	1	1	1
22	Metal Cover: Unhole	1	1	1
23	M50 Sealing Cover	1	1	1
24	M8 External Tooth Lock Star Washer	1	2	3
25	Cable Clamp Installation Toolkit	1	2	2
26	Adapter	1	1	1
27	M5*18 Countersunk head screws	5	10	10
28	Metal Cover φ42	1	2	2
29	M42 Sealing Cover	1	2	2
30	M5*12mm Pan head Screw	10	10	10
31	wiring window	1	1	1

Check the box to ensure you have this installation guide and these parts:



5.2.2 Upper part installation

Step1

Insert the pedestal (Middle Part) into the Lower Part with 4 sets of M6*18mm combination screws with spring washer and flat washer.

Notice: The positional ordering of spring washer and flat Washer.

Step2

Install the wiring window cover plate on the pedestal with 8 pcs of M5*12mm screws. connect the ground wire to the terminal inside the pedestal.

Step3

Insert one cable gland to the pedestal for single pedestal properly.

Step4

Use 4pcs of M5*22mm screws to fix the connector bases and hooks in the corresponding position.

If you don't need the hook, Please use 4pcs of M5*18mm screws to fix the connector bases in the corresponding position

Step5

Use 4pcs of M5*14mm screws to fix the Metal Cover above the connector bases and hooks, Insert the Sealing Cover plug into the metal cover plate. We also provide metal cover plate (for NPT), please purchase other parts by yourself. When you buy a single version, please use the unhole metal cover.

Notice: Please use a knife to make a cross cut on the Sealing Cover.

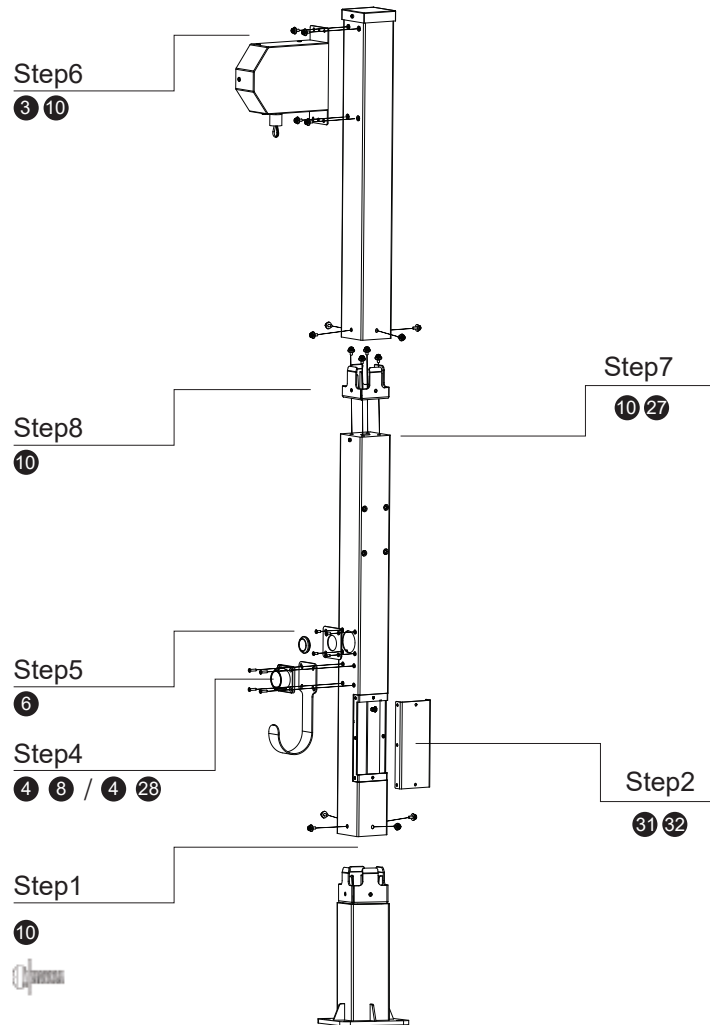
Step6

Mount the Cable Retractor on the pedestal using 4 sets of M6*18mm combination screws with spring washer and flat washer on one side, repeat for the other side.

Step7

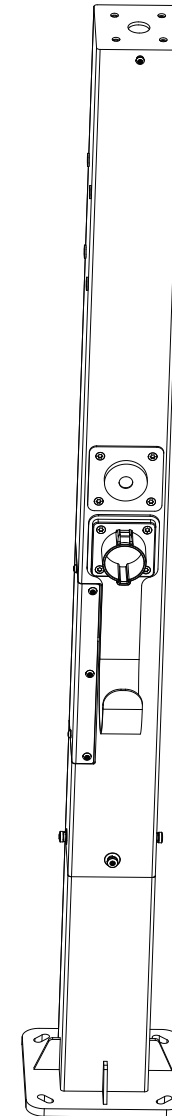
Attach the adapter to the Pedestal (Middle Part) with 4 sets of M6*18mm combination screws with spring washer and flat washer.

Note: Make sure that silicone gasket to be placed between the adapter and the top surface of the Middle Pedestal.



Step8

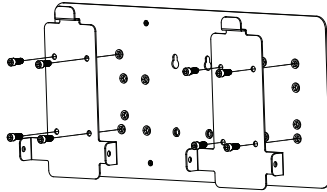
Insert the pedestal (Upper Part) with cable management system into the Middle Part with 4 sets of M6*18mm combination screws with spring washer and flat Washer.



5.2.3 Bracket installation (Side to Side Version)

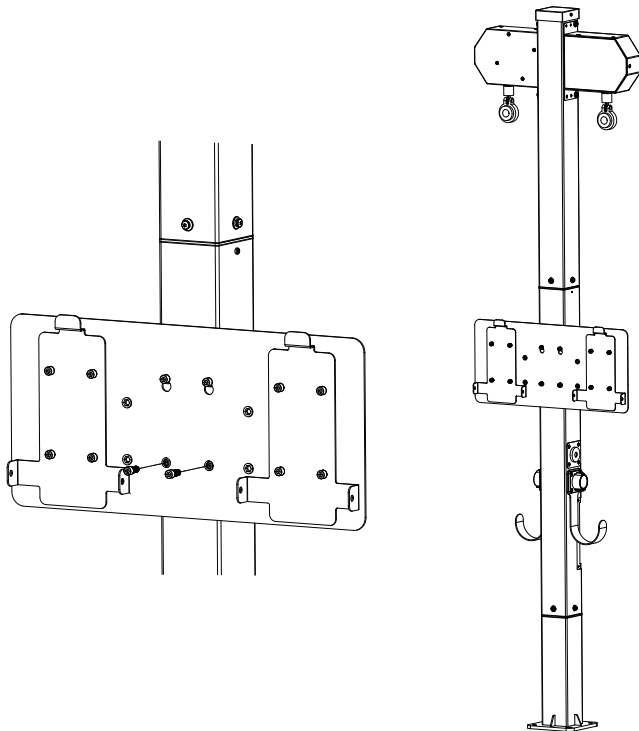
Take off the wall-mounted bracket, and fix it in the corresponding position on the side-by-side bracket with 8 pcs of M8*18mm screws.

Notice: Add an M8 External Tooth Lock Star Washer to any of the 4 sets of M8 screws for one charger.



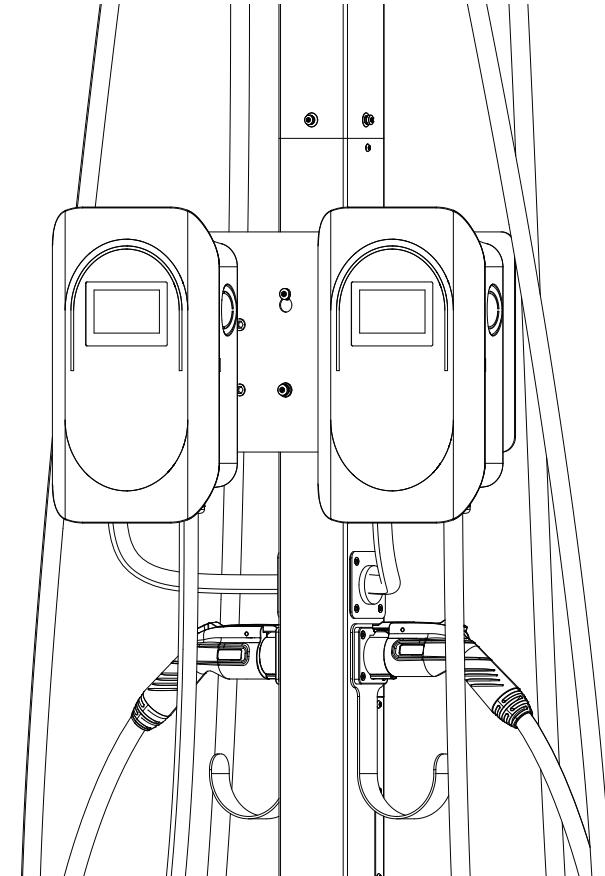
Fix side-by-side bracket on to the Middle Pedestal with 4pcs of M8*18mm screws, please add flat washers and spring washers at the two holes at the bottom.

Notice: Add an M8 External Tooth Lock Star Washer to any of the 4 sets of M8 screws.



5.2.4 Mounting the EV charger

Mount 2 EV chargers on the charger holder plate using 4pcs of M5*12mm screws on two sides of the charger (screws from chargers)



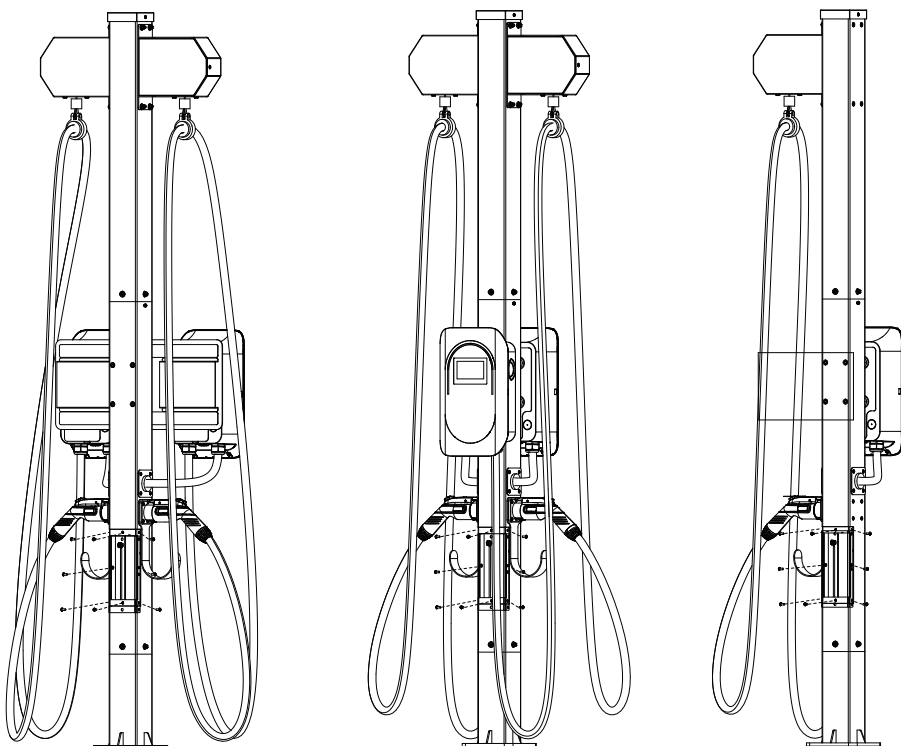
5.2.5 Connecting

Step1

Perform the electrical connection and commissioning in accordance with the instructions in the "User manual" of EV charger.

Step2

Fix the 8pcs of M5*12mm screws of wiring window.



5.2.6 Clamp Installation

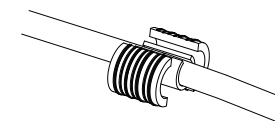
Cable Clamp Installation Toolkit

NO.	Description	Picture	32A (Nistar) Suitable for Up to 16.5mm Version	48A (Nistar) Suitable for Up to 22mm Version	48A (Sinbon) Suitable for Up to 17.6mm Version	80A (Sinbon) Suitable for Up to 24.5mm Version
			Quantity	Quantity	Quantity	Quantity
1	Cable Protection Sleeve		1	0	0	0
2	Φ17.6 Cable Sleeve		0	0	1	0
3	Φ22 Cable Sleeve		1	1	0	0
4	Φ24 Cable Sleeve		0	0	0	1
5	Annular rotator		1	1	1	1
6	Clamp		1	1	1	1
7	M5 Screw		1	1	1	1
8	M5*15 Screw		1	1	1	1
9	M4*15 Screw		4	4	4	4

Before installing the clamp, determine the location of the clamp on the cable. If you are using an 18ft cable, we recommend that you install the cable around 86.2" (2190mm) from the charging gun to ensure that the cable line does not drag on the floor when not in use for charging.

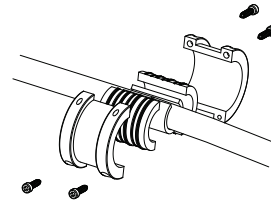
Step1

Depending on the gauge of the gunwire you are using, compare the contents of the kit to determine the matching combination of parts.



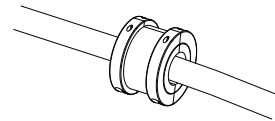
Step2

Clamp the Cable Sleeve to the Cable with the Annular rotator and fix it with four M4*15 Screws.



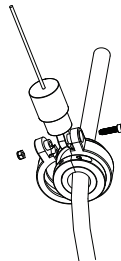
Step3

Lock the screws to make sure there is no slippage between the parts.



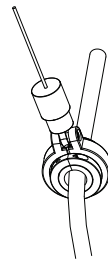
Step4

Align the holes in the Cable Puller Ring with the holes in the Clamp.



Step5

Attach the clamp to the outer ring of the Annular rotator with an M5*15 Screw.



6.Dimensions

