

## **CHARGER PEDESTALS AND CABLE MANAGEMENT**

**GW-EVP-S-1**



Single Pedestal

**GW-EVP-D-1**



Back-to-back Pedestal

**GW-EVP-S-CM-1**



Single Pedestal with cable  
management system

**GW-EVP-D-CM-1**



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.
- Espen assumes no liability for claims resulting from improper installation or failure to follow safety precautions. Installations should always follow local codes and the Authority having jurisdiction.

### Electrical hazard

- The installation, commissioning and maintenance of the EV charger should only be performed by a qualified and authorized electrician. Installers are fully responsible for compliance with existing standards and installation regulations. Please follow all instructions given for selecting the location and construction requirements.
  - If the requirement for the location and the corresponding precautionary measures are not met death, serious physical injury and/or equipment damage may be the result.
  - The EV Charger is to be connected to a grounded, metal, permanent wiring system.
- The EV Charger 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 charging station.

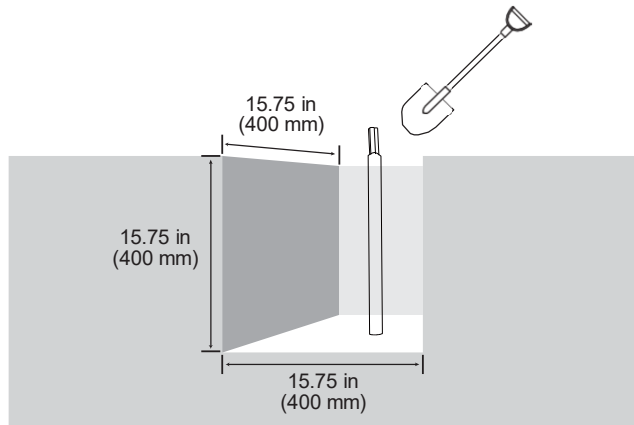
### Installation Environment Instructions

- The charging station 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 charge handle holder. Avoid exposing the connector head directly to the outside to prevent corrosion and excessive wear and tear.
- It is essential to strictly follow the above installation instructions and environmental requirements to ensure the normal use of the EV Charger and the personal safety of users.

## 2. Mounting the base

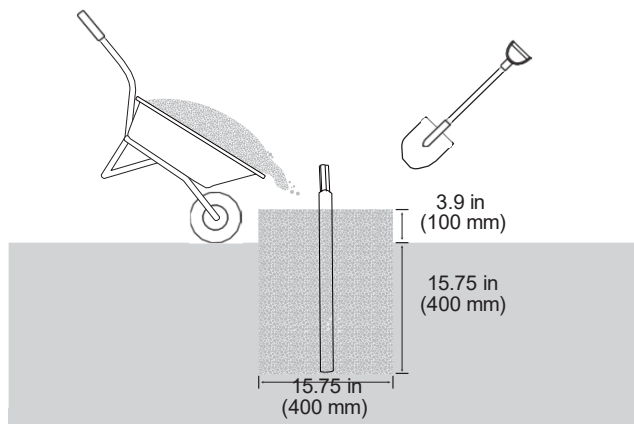
### Step1

Prepare the Concrete Base



### Step2

Concrete Base Requirements



## 3. Concrete Base Requirements

### Step1

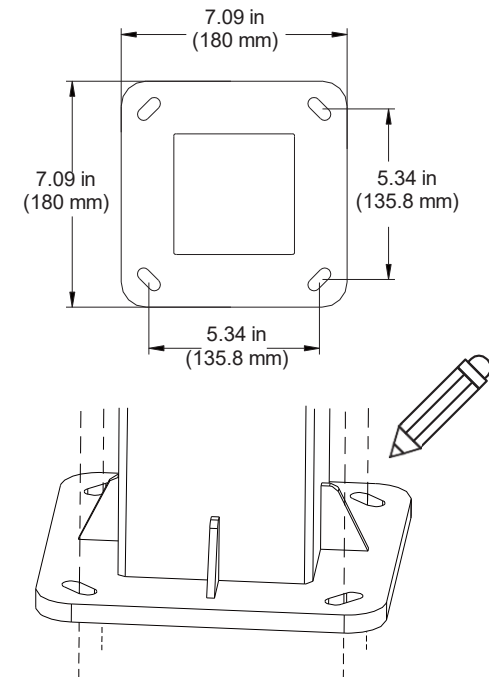
Mark the 4 holes on the concrete foundation using the base-plate of the pedestal. Make sure that the connection cable is located precisely underneath the opening in the base-plate.

### Step2

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

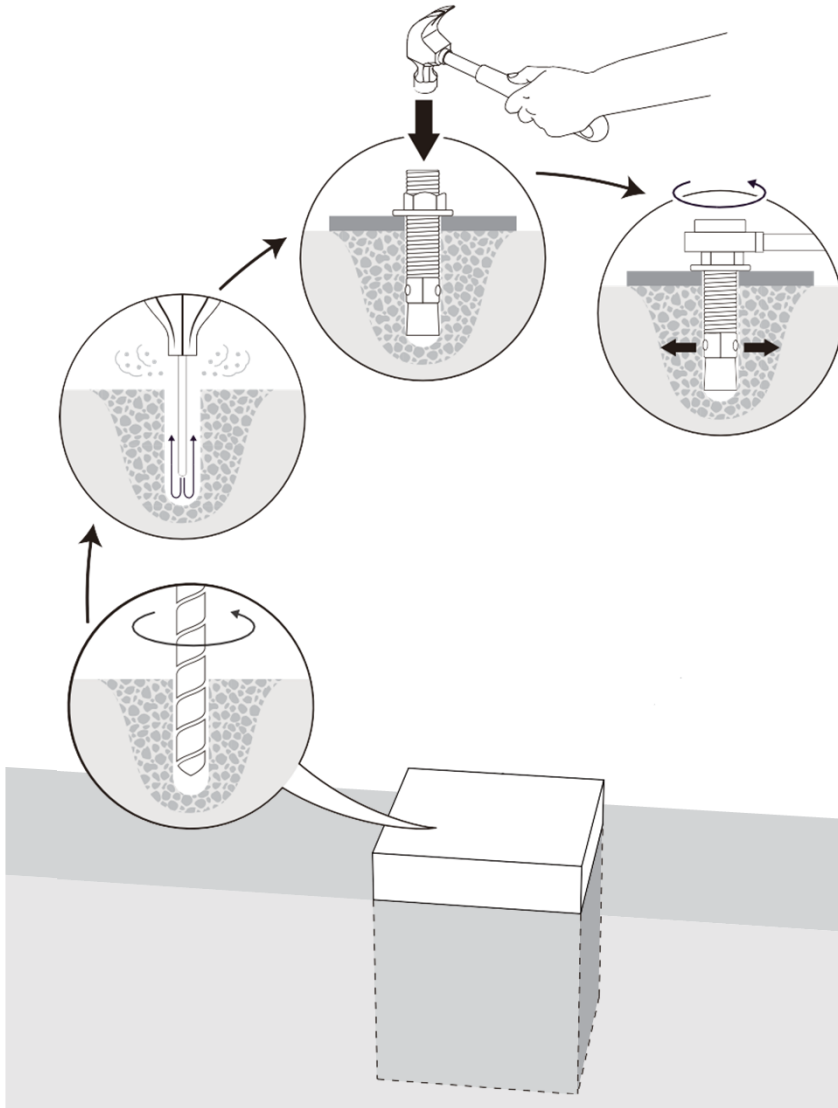
### Step3

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

### 1. Regular Pedestal Installation

#### 1. Packing list

No.	Description	Single Version	Back-to-back Version
		QTY.(PCS)	QTY.(PCS)
1	Pedestal ( Middle Part )	1	1
2	Pedestal ( Lower Part )	1	1
3	Connector Base & Hook	1	2
4	M5*22mm Screw	5	10
5	M8*100mm Expansion Screw	4	4
6	M8*18mm Screw	5	10
7	M6*18 Pan head torx screws	10	10
8	M6 Spring Washer	6	6
9	M6 Flat Washer	6	6
10	T25 Screwdriver	1	1
11	T30 Screwdriver	1	1
12	M8 Screw silicone stopper	5	0
13	M5 Screw silicone stopper	5	0
14	Installation Manual	1	1
15	Base Cover	2	2
16	Bracket	0	0
17	M8 Flat Washer	0	0
18	M8 Spring Washer	0	0
19	Metal Cover ( For NPT )	1	2
20	Metal Cover : $\phi 50.3$	1	1
21	Metal Cover : Unhole	1	1
22	M5*14Countersunk head screws	10	10
23	M50 Sealing Cover	1	1
24	M8 External Tooth Lock Star Washer	1	2
25	M5*18 Countersunk head screws	5	10
26	Metal Cover $\phi 42$	1	2
27	M42 Sealing Cover	1	2
28	M5*12mm Pan head Screw	10	10
29	wiring window	1	1

Check the box to ensure you have all of the necessary parts prior to beginning installation.



## 5.1.2 Pedestal Installation

### Step1

Insert the pedestal (Middle Part) into the Lower Part with 4 sets of M6\*18mm 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.

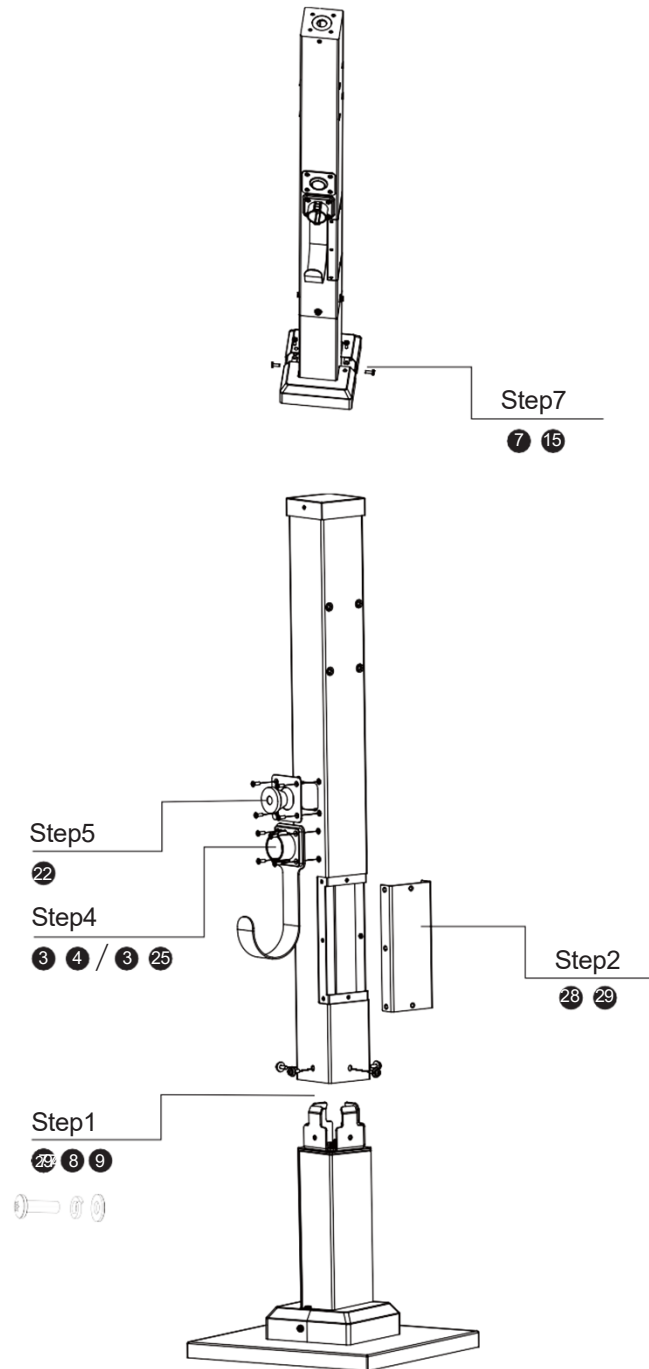
Notice: Please use a knife to make a cross cut on the Sealing Cover.

### Step6

Repeat one more time on the back for Back-to-back version.

### Step7

Installation of bottom cover plate Use 4 sets of M6\*18mm screws to install the base cover.



## 5.1.3 Mounting the EV CHARGER

### Step1

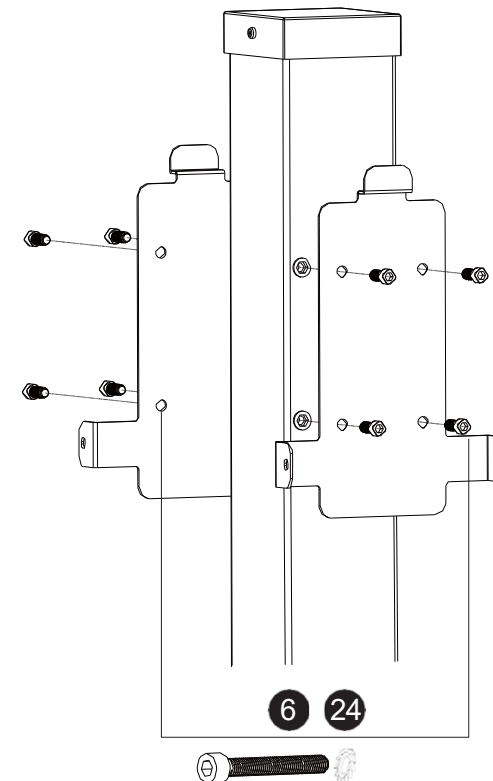
Take off the wall-mounted bracket, and fix it in the corresponding position on the pedestal with 4 pcs of M8\*18mm screws. Notice: Add an M8 External Tooth Lock Star Washer to any of the 4 sets of M8 screws,repeat on both chargers.

### Step2

Mount charging stations on the charger holder plate using 2pcs of M5\*12mm screws on two sides of the charger.

### Step3

Repeat one more time on the other side.



### 5.1.4 Connecting

#### Step1

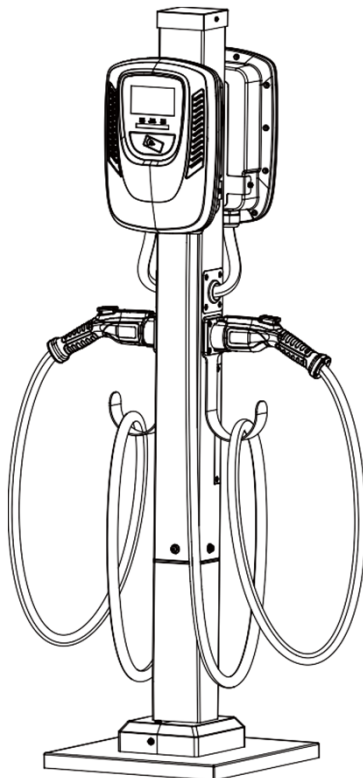
Thread the power input cables from the bottom through the pedestal upwards through the wiring connection plate.

#### Step2

Make the electrical connection and commissioning in accordance with the instructions in the "User manual" of charging station.

#### Step3

Fix the 8pcs of M5\*12mm screws to finish the installation.



### 5.2 Pedestals with cable management system Installation

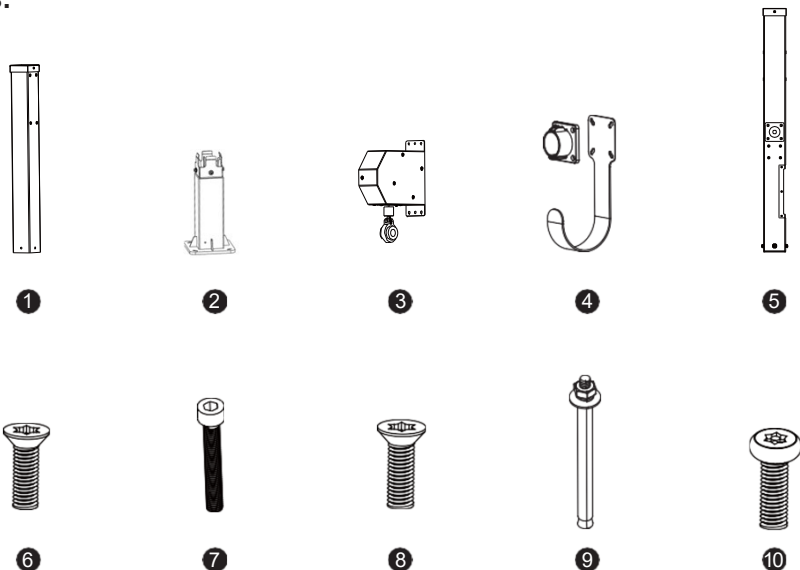
#### 5.2.1 Packing list

No.	Description	Single Version	Back-to-back Version
		QTY.(PCS)	QTY.(PCS)
1	Pedestal (Upper Part)	1	1
2	Pedestal (Lower Part)	1	1
3	Cable retractor	1	2
4	Connector Base & Hook	1	2
5	Pedestal ( Middle Part )	1	1
6	M5*14Countersunk head screws	10	10
7	M8*18mm Screw	5	10
8	M5*22Countersunk head screws	5	10
9	M8*100mm Expansion Screw	4	4
10	M6*18 Pan head torx screws	22	26
11	M6 Spring Washer	18	22
12	M6 Flat Washer	18	22
13	M8 Screw silicone stopper	5	0
14	M5 Screw silicone stopper	5	0
15	M6 Screw silicone stopper	5	0
16	Installation Manual	1	1
17	T25 Screwdriver	1	1
18	T30 screwdriver	1	1
19	Base Cover	2	2
20	Bracket	0	0
21	M8 Flat Washer	0	0
22	M8 Spring Washer	0	0

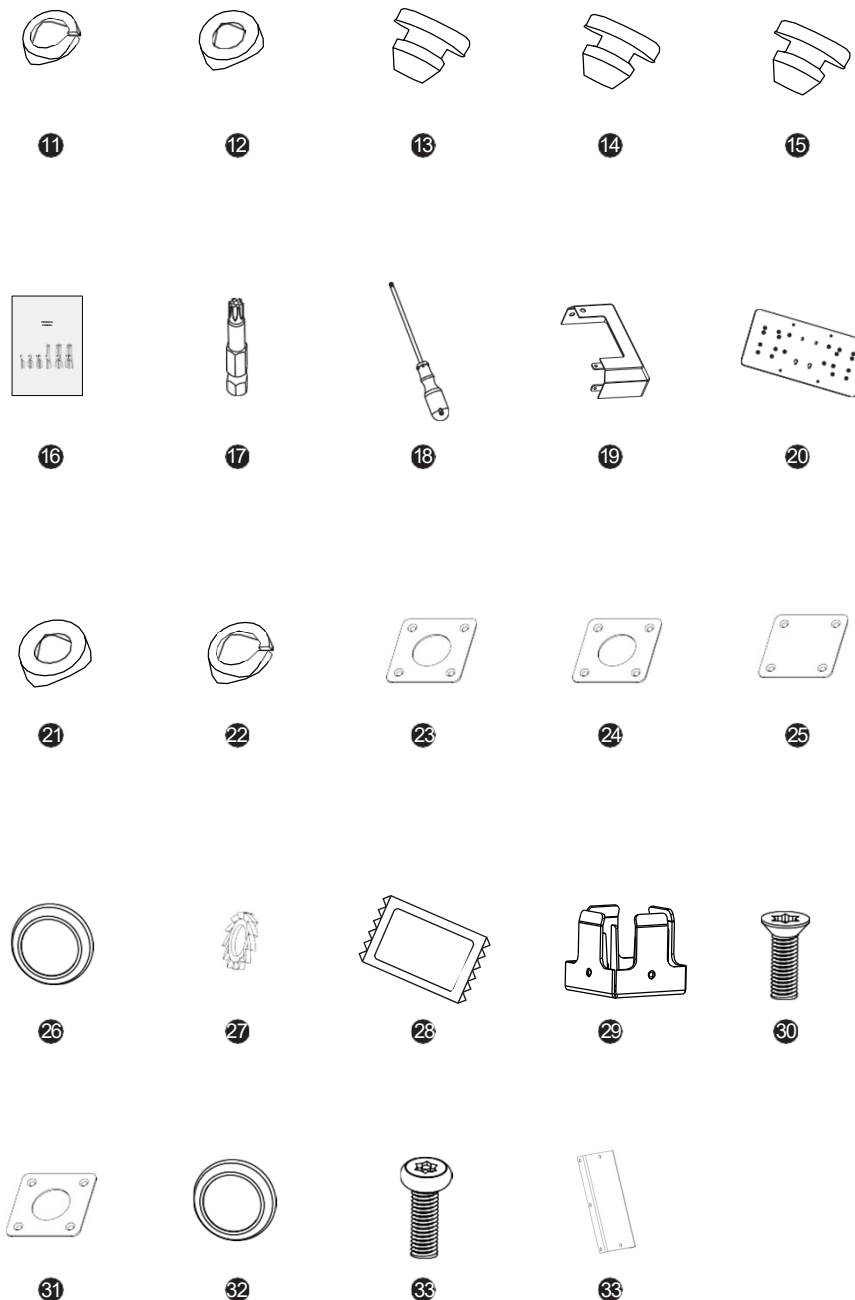
## PEDESTALS WITH CABLE MANAGEMENT

No.	Description	Single Version	Back-to-back Version	Side to Side Version
		QTY.(PCS)	QTY.(PCS)	QTY.(PCS)
23	Metal Cover ( For NPT )	1	2	2
24	Metal Cover : $\phi 50.3$	1	1	1
25	Metal Cover : Unhole	1	1	1
26	M50 Sealing Cover	1	1	1
27	M8 External Tooth Lock Star Washer	1	2	3
28	Cable Clamp Installation Toolkit	1	2	2
29	Adapter	1	1	1
30	M5*18 Countersunk head screws	5	10	10
31	Metal Cover $\phi 42$	1	2	2
32	M42 Sealing Cover	1	2	2
33	M5*12mm Pan head Screw	10	10	10
34	wiring window	1	1	1

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



## PEDESTALS WITH CABLE MANAGEMENT





## 5.2.2 Upper part installation

### Step1

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

Pay attention to the correct order the of spring washer and flat Washer and install accordingly.

### Step2

Install the wiring 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.

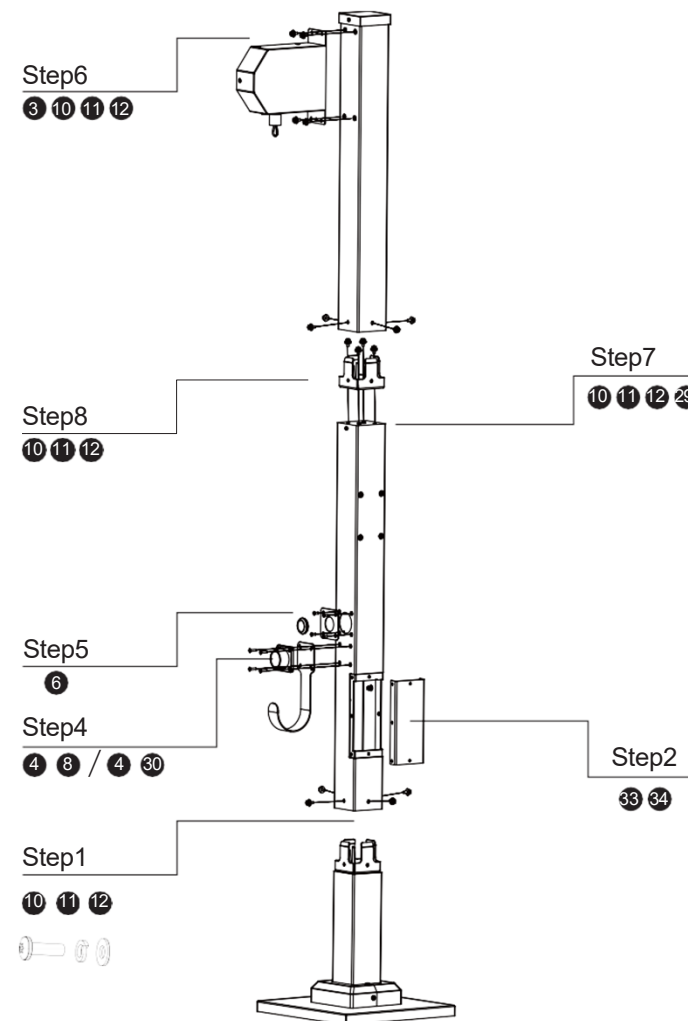
### Step6

Mount the Cable Retractor on the pedestal using 4 sets of M6\*18mm 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 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.

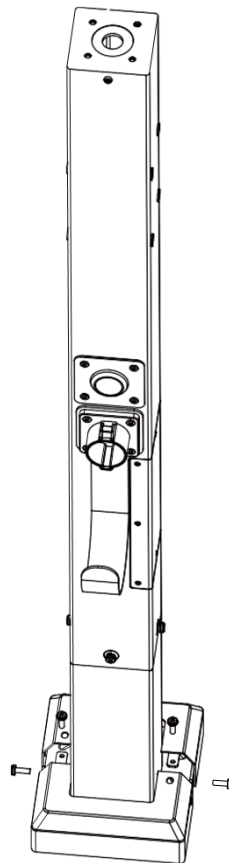


## Step8

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

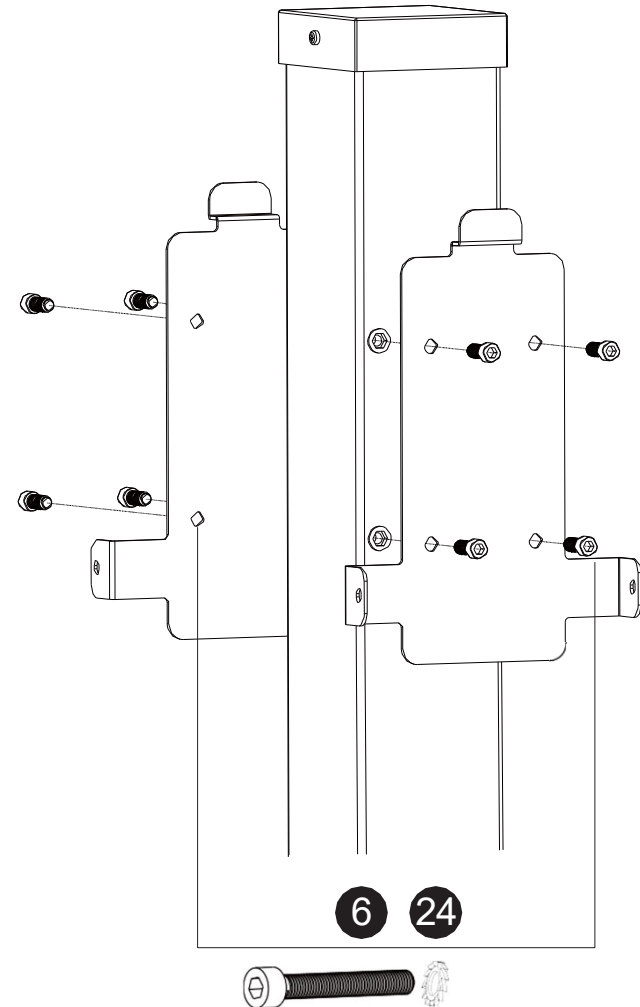
## Step9

Installation of bottom cover plate Use 4 sets of M6\*18mm screws to install the base cover.



## Step1

Take off the wall-mounted bracket, and fix it in the corresponding position on the pedestal with 4 pcs of M8\*18mm screws. Notice: Add an M8 External Tooth Lock Star Washer to any of the 4 sets of M8 screws,repeat on both chargers.



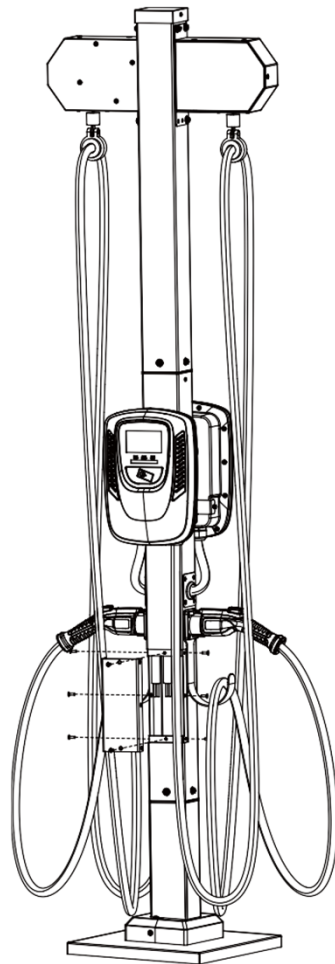
## 5.2.4 Mounting the Charger

### Step2

Mount the EV Chargers on the wall mount plate using 2pcs of M5\*12mm screws on two sides of the charger.

### Step3

Repeat one more time on the other side.



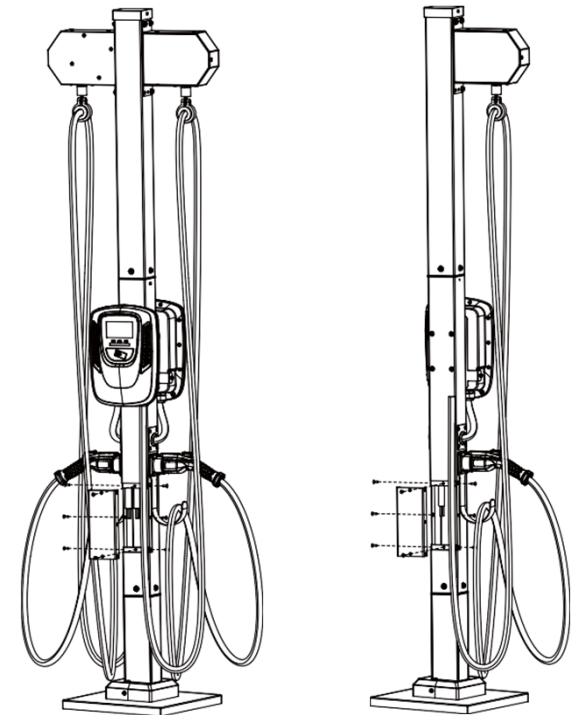
## 5.2.5 Connecting

### Step1

Perform the electrical connection and commissioning in accordance with the instructions in the "User manual" of charging station.










### Step2

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



### 5.2.6 Clamp Installation

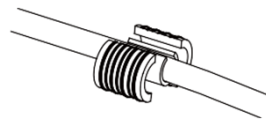
#### Cable Clamp Installation Toolkit

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.

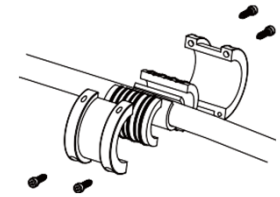
#### Step1

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



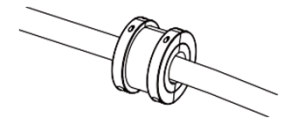
#### Step2

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



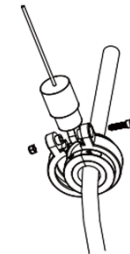
#### Step3

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.Warranty

#### LIMITED 1 YEAR WARRANTY AND EXCLUSIONS

Joint warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Joint is free of defects in materials and workmanship under normal and proper use for one year from the purchase date. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions.

