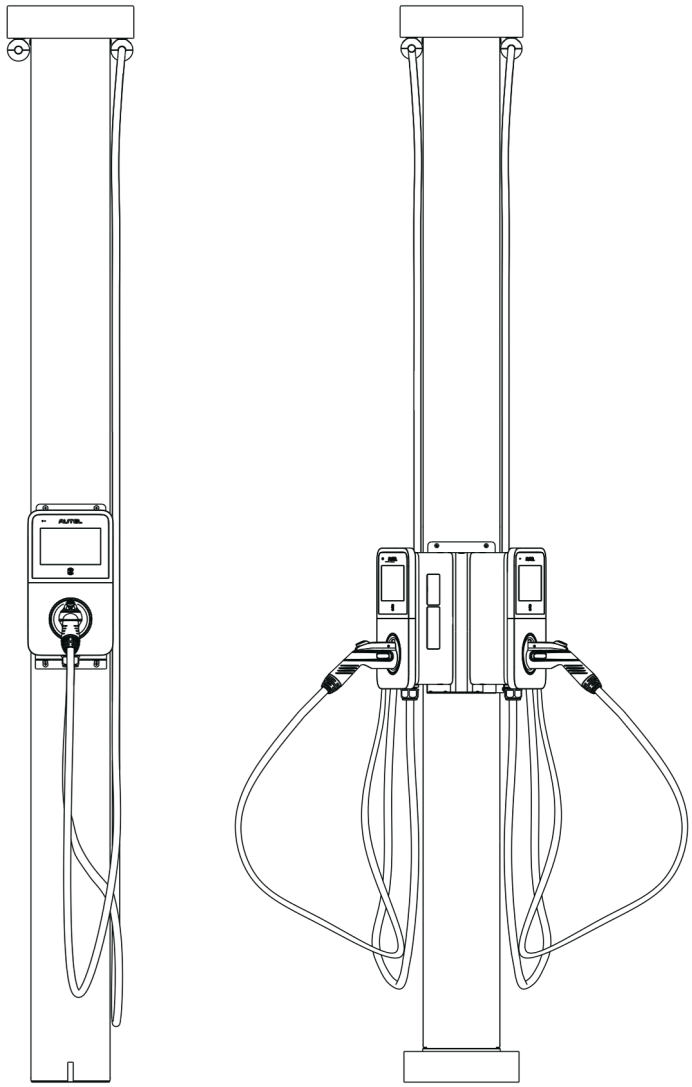
POWER TECHNOLOGY
THE EV CHARGING COMPANY



# Installation Guide

## PowerTechnology Cable Management System (CMS)

Thank you for purchasing this PTS equipment. This guide will instruct you how to install the PowerTechnology cable management system (CMS) on a wall or pedestal.

**IMPORTANT:**

- Before operating or maintaining the equipment, please read these instructions carefully and pay extra attention to the safety warnings and precautions. Failing to use this product properly may cause damage and/or personal injury and will void the product warranty.
- This guide is a supplement to the manuals of the PowerTechnology AC/AC Pro, the PowerTechnology Single Charger and the PowerTechnology AC Elite, and the installation instructions on location selection and wiring etc., must be adhered to.
- The CMS and single/dual-station pedestal can only be used with Hardwired chargers.
- This guide is applicable for both single and dual station pedestals.

## ⚠ WARNING

- This equipment should only be installed by a licensed electrician and in accordance with local codes and ordinances. You may need to adjust the guidelines provided in this guide to comply with codes that apply at your installation location.
- Handle the equipment with care during transportation to prevent damage to it.
- The respective national regulations must be observed with regard to the installation of the CMS and pedestal.
- When mounting the equipment in parking spaces or parking garages, appropriate anti-collision protection must be provided by the installer.
- Do not mount the equipment on asphalt.

## Location Requirements

Before mounting the equipment, choose a suitable mounting location that meets the following requirements:

- Prepare a flat and plump wall capable of supporting the CMS and charger when mounting on a wall.
- Allow the charging cable to remain within its bending tolerance.
- Not prone to potential damage.
- Ensure that the space is sufficient for the installation and maintenance work. The dimensions of the CMS can be 107.2 x 12.6 x 4.3 inches (H x W x D, 2723 x 320 x 110 mm) and 77.7 x 12.6 x 4.3 inches (H x W x D, 1973 x 320 x 110 mm). The former supports charging cables with a length of 24.6 feet (7.5 meters) and the latter supports charging cables with a length of 19.7 feet (6 meters).

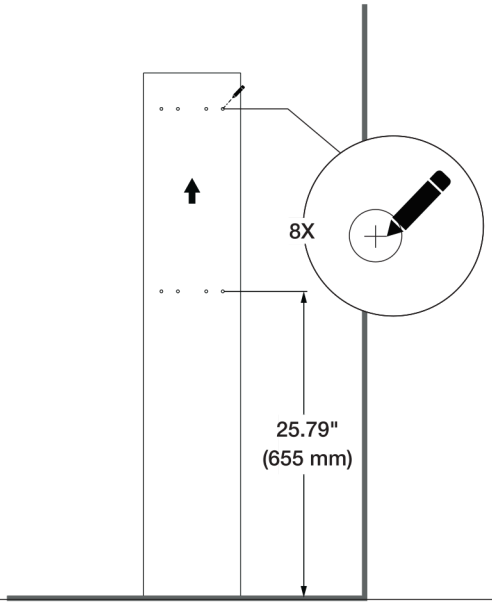
## Mounting on a Wall

### Recommended Tools

| | | | |
|---|---|---|---|
| Spirit Level | Marker | Multimeter | Brush |
| Power Drill | Drill Bit 5/16" (8 mm) | Socket Wrench 3/8" (10 mm) | Socket Wrench 15/16" (24 mm) |
| Phillips Screwdriver | Torque Wrench | | |

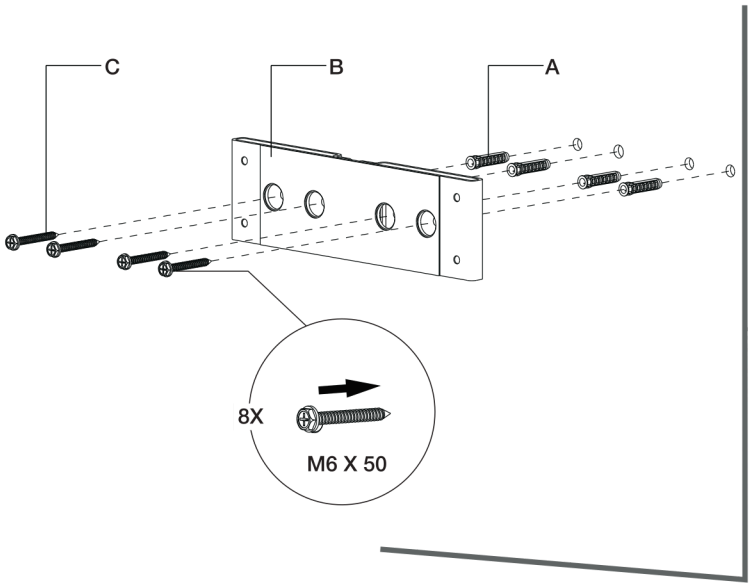
## 1

1. Place the drilling template against the wall and level it using a spirit level.
2. Mark the eight mounting holes.
3. Drill eight 5/16" (8 mm) holes to a depth of 2.4" (60 mm). Clean any debris using a brush.




## 2

1. Manually insert eight 5/16" (8 mm) wall anchors (A) into the mounting holes.
2. Mount two rear brackets (B) on the wall, aligning them with the holes. Then level the brackets using a spirit level.
3. Insert eight M6 x 50 screws (C) into the holes using the 3/8" (10 mm) socket wrench. Tighten the screws to 44–62 lbf·in (5-7 Nm) to secure the brackets.

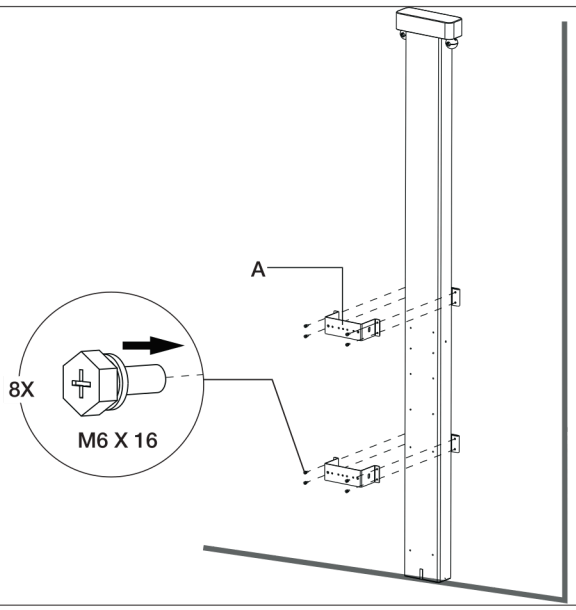



## 3

1. Place the CMS against the rear brackets, with its front side facing forward.

**NOTE:** The bottom of the CMS should rest on the ground.

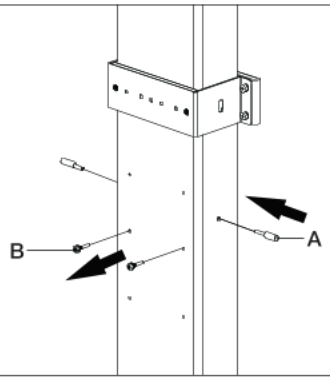
2. Place the front brackets (A) over the rear brackets, aligning their mounting holes. Ensure that the cable clamp string is avoided.
3. Insert eight M6 x 16 screws into the holes. Tighten them to 22.1-31 lbf·in ( 2.5-3.5 Nm) using the 15/16" (24 mm) socket wrench.



## 4

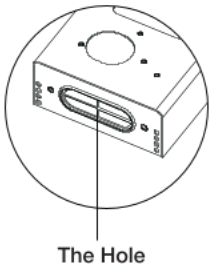
1. Insert the two locating pins from both sides.
2. Remove and discard the two M6 x 30 screws in the front using a Phillips screwdriver.

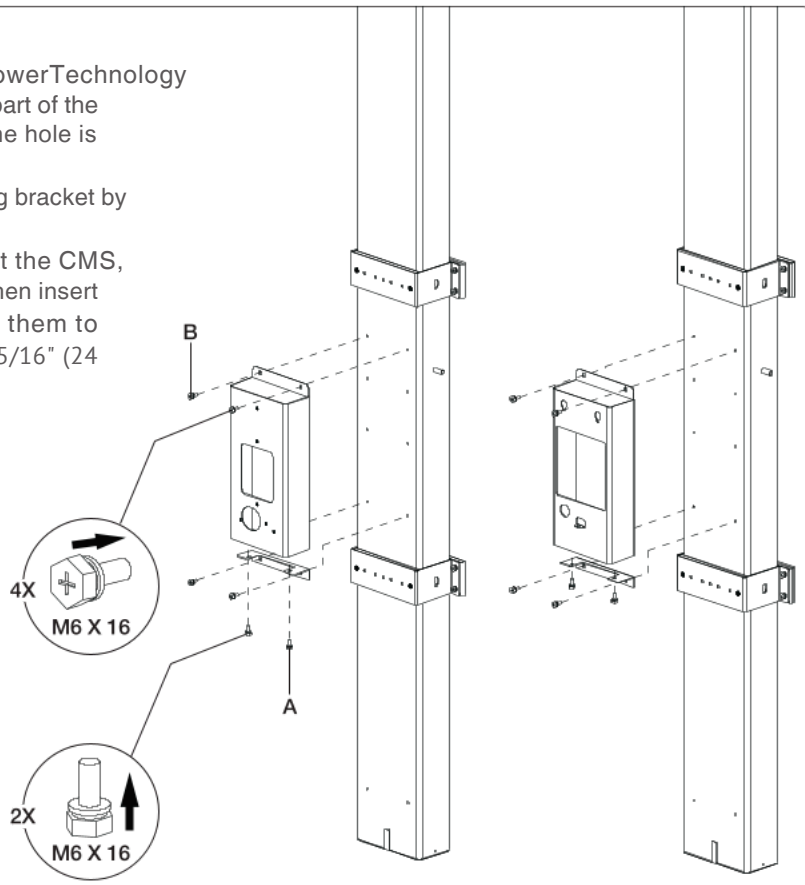
**NOTE:** Be careful not to damage the two cable clamps when inserting the locating pins and removing the screws. For single station model, you can use one of the clamps for spare use.




## 5

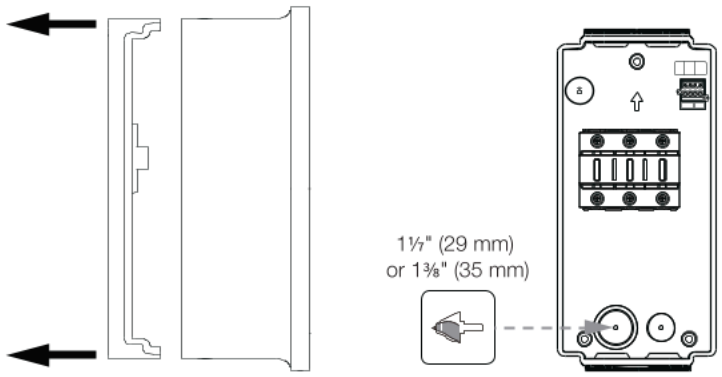
**1.** For the mounting bracket of the PowerTechnology AC/AC Pro and Single Charger, cut off part of the rubber cover along the cross. Ensure the hole is the right size to accommodate the cables.
2. Mount the L bracket onto the mounting bracket by installing the two M6 x 16 screws (A).
3. Place the mounting bracket against the CMS, aligning with the four mounting holes. Then insert four M6 x 16 screws (B) and tighten them to 22.1-31 lbf-in (2.5-3.5 Nm) using the 15/16" (24 mm) socket wrench.

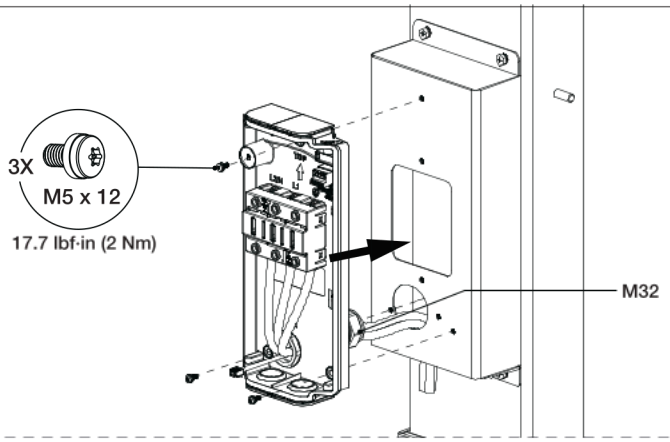



## 6

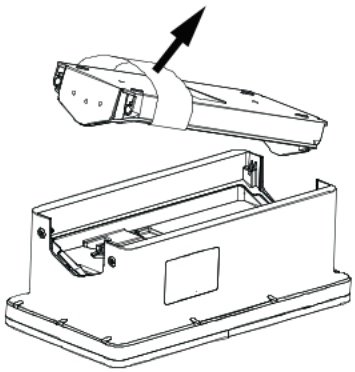
**For the PowerTechnology AC/AC Pro:**

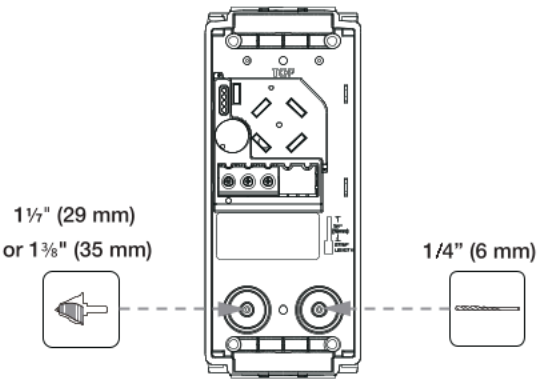


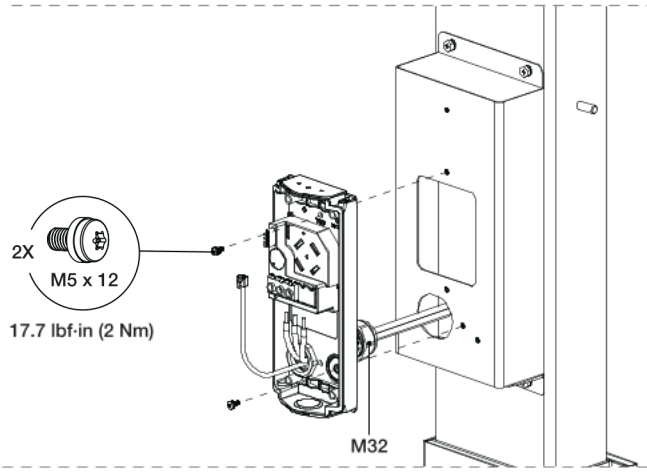



Scan the QR code to access the manual for your charger.

## For the PowerTechnology Single Charger:





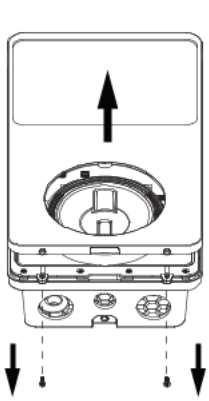



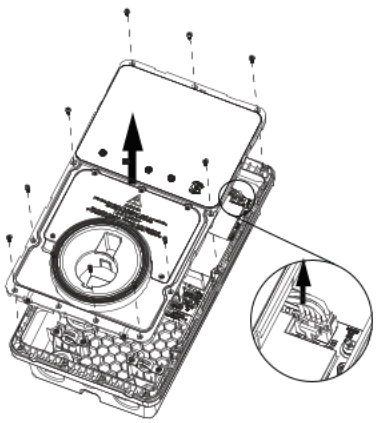

For EU Model

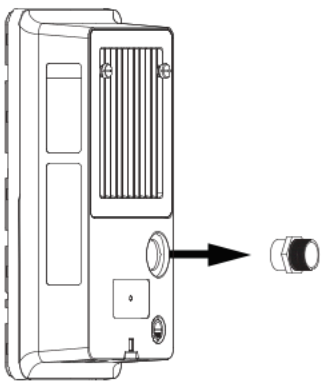
For N. American Model

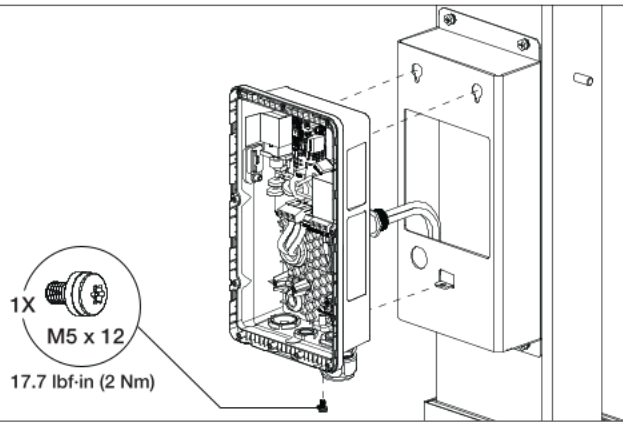
Scan one of the QR codes based on your charger model to access the manual.

## For the PowerTechnology AC Elite/AC Wallbox:










For EU Model

For N. American Model

Scan one of the QR codes based on your charger model to access the manual.

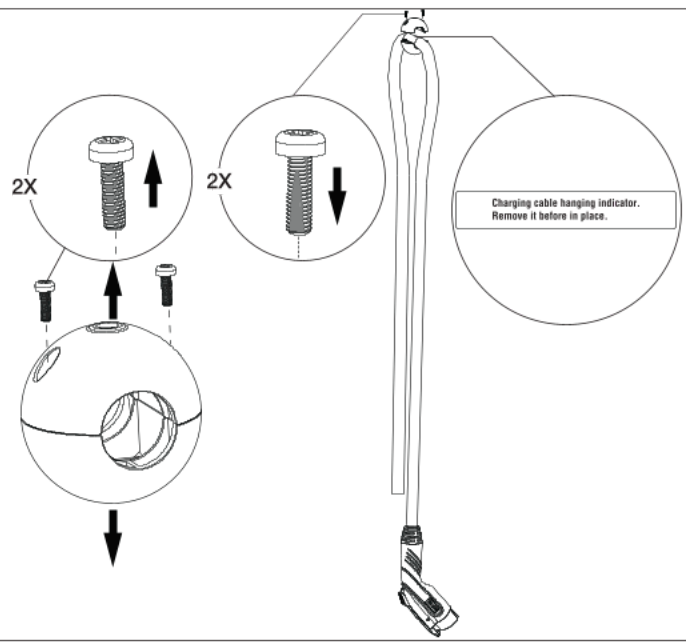
**NOTE:** 1. When mounting the CMS on a wall, you can route the cables from the rear or the bottom. The guide takes the rear entry option as an example.
2. The rear entry instruction above is only for reference. Please observe the local regulations and laws. If needed, use a conduit when routing the cable from the bottom of the mounting bracket.
3. The M25 cable glands are not provided. Please prepare 1 or 2 based on the number of chargers you mount onto the CMS.

## 7

1. Remove the two M3 x 10 screws on the cable clamp using a Phillips screwdriver to detach the clamp.
2. Locate the green label on the charging cable and remove it before placing the charging cable under the upper clamp.

**NOTE**: The green label indicates the recommended hanging point. Installers can hang the charging cables based on actual conditions.

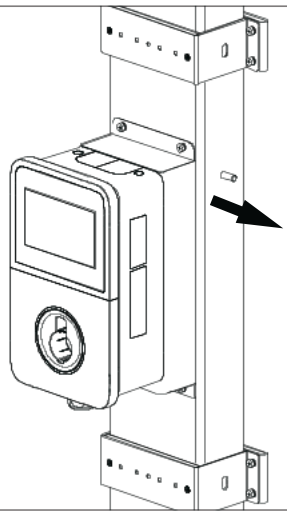
3. Secure the charging cable by placing it under the upper clamp, then reinstall the lower clamp and tighten the screws.




## 8

Remove the two locating pins from both sides of the CMS. The counterweight of the CMS is now free to move up and down. Stretch the charging cable to remove any kinks.

NOTE: 1. The illustration here takes the PowerTechnology AC Pro as an example. For the PowerTechnology Single Charger and the PowerTechnology AC Elite, refer to the actual product.
2. For single station models, there is only one cable clamp that secures a charging cable. When removing the locating pin on the side without a charging cable, be careful not to break the clamp.



# Mounting on a Pedestal

## Recommended Tools

| | | | |
|---|---|---|---|
| Tape Measure | Spirit Level | Marker | Multimeter |
| Power Drill | Drill Bit 1/2" (14 mm) | Hammer | Open-end Wrench (Size 19) |
| Phillips Screwdriver | Torque Wrench | Brush | |

## Preparing for Installation

- A horizontal, level, and sound foundation is required for installation. To ensure safe and permanent anchoring, the concrete strength level should be above 2500 PSI.
- The base must be placed in an area where water does not accumulate.
- The diameter of the conduit should not exceed 2 inches (50 mm).
- The foundation can be flush with or above the ground.

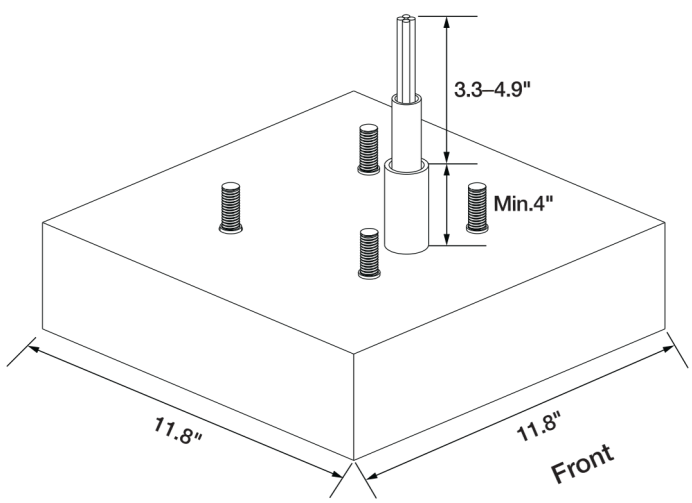
---

**NOTE:** The pedestal can be mounted on an existing concrete surface. Refer to page 6 for instructions on creating a new foundation in case you need one.

---

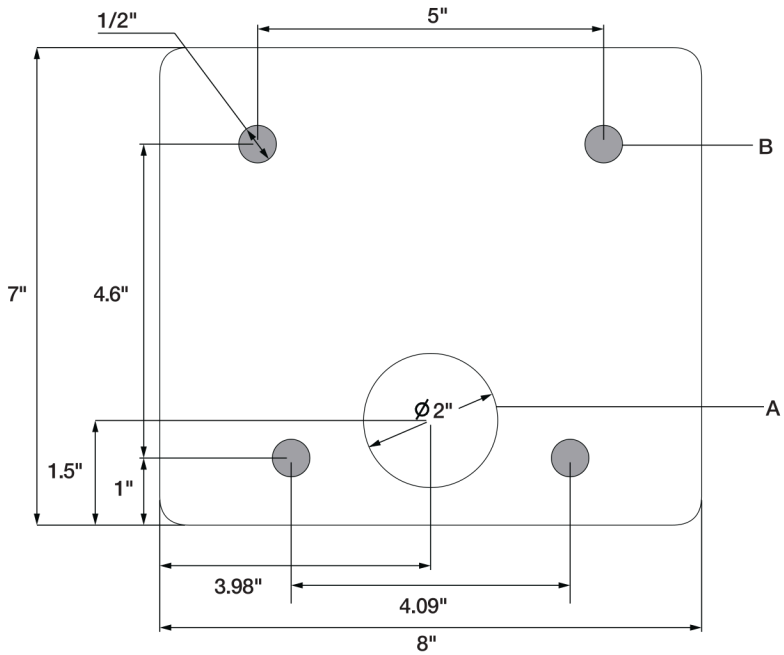
## Preparing a New Foundation (Optional)

1. Build a foundation according to the diagram below.
2. Trench and excavate an opening to accommodate the wiring conduit.
3. Run the conduit to the designated location. It is recommended that the conduit stub-up measures a minimum of 4 inches (100 mm) above the ground.
4. Pour concrete into the hole and wait until it has hardened.
5. Feed the AC input cable and the Ethernet cable (if available) out of the conduit. Ensure a length of 3.3–4.9 feet (1–1.5 m) is available above the foundation to allow wiring to reach the AC terminals.



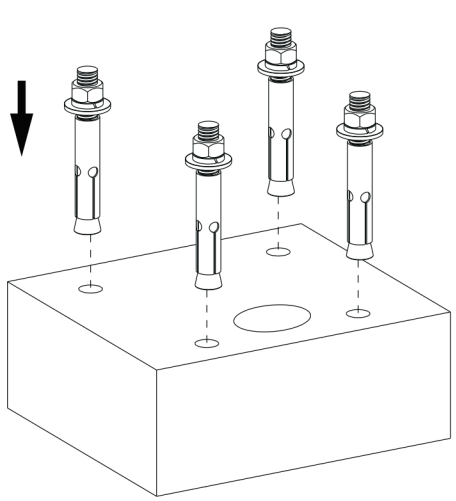
## 1

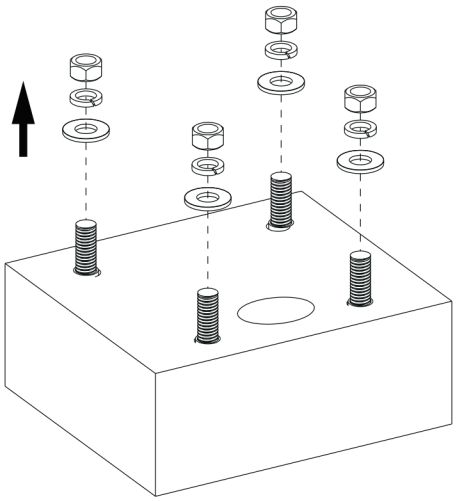
1. Pull service wiring up through the conduit, leaving approximately 3.3–4.9 feet (1–1.5 m) extending out of the conduit.
2. Place the drilling template on the concrete surface, aligning with the conduit stub-up (area A).
3. Mark the four mounting holes (B) on the concrete surface. Remove the drilling template.
4. Drill into the holes measuring 1/2 inch (14 mm) in diameter and 3 inches (75 mm) in depth. Clean the dust with a brush.




## 2

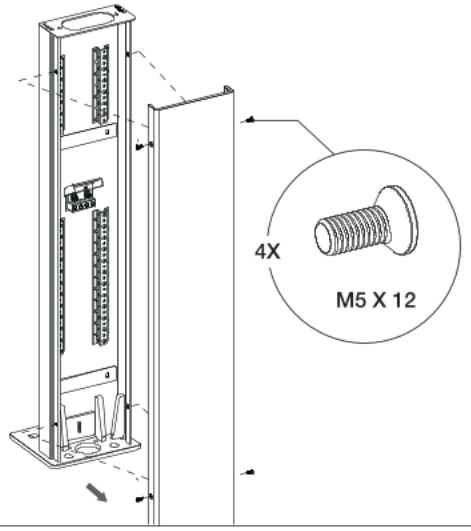
1. Tap four M12 x 100 bolts into the holes.
2. Remove the nuts and gaskets using a size 19 open-end wrench. Set them aside.





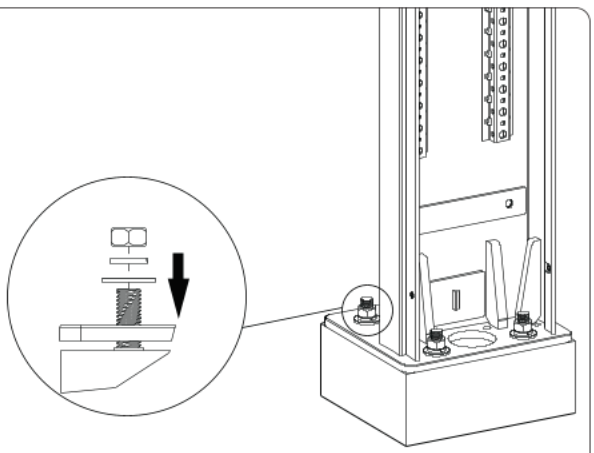
## 3

Remove the four M5 x 12 screws using the T25 Torx screwdriver and remove the front cover of the pedestal. Set them aside.



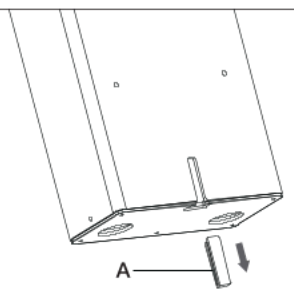

## 4

1. Place the pedestal onto the installation site, aligning with the four bolts.
2. Reinstall the gaskets and nuts. Tighten them to 442.54 lbf·in (50 Nm).



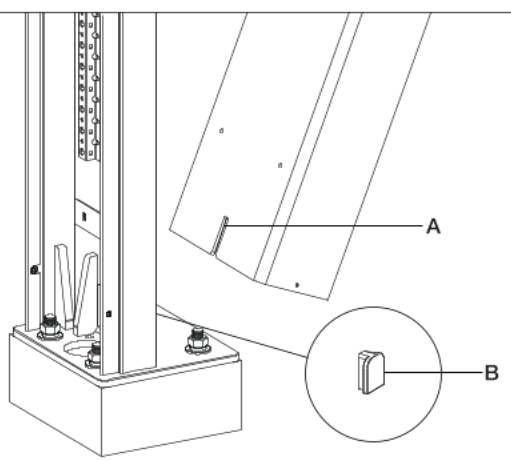
## 5

Manually remove the plug (A) from the CMS.



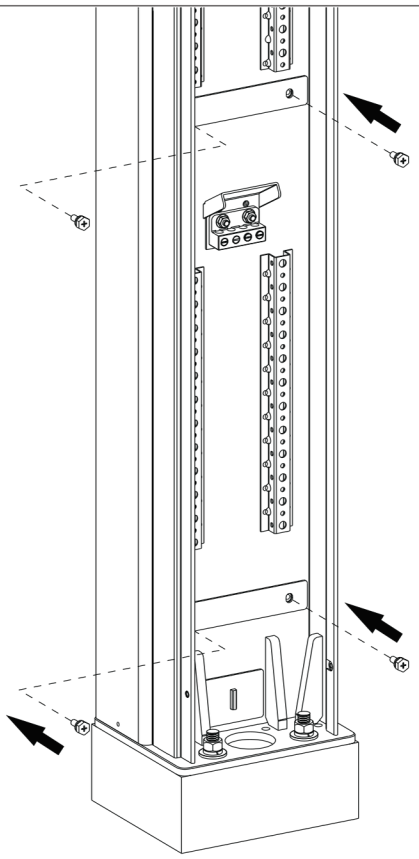

## 6

Position the slot (A) at the bottom of the CMS onto the knob (B) at the bottom of the pedestal and hold the CMS against the back of the pedestal.



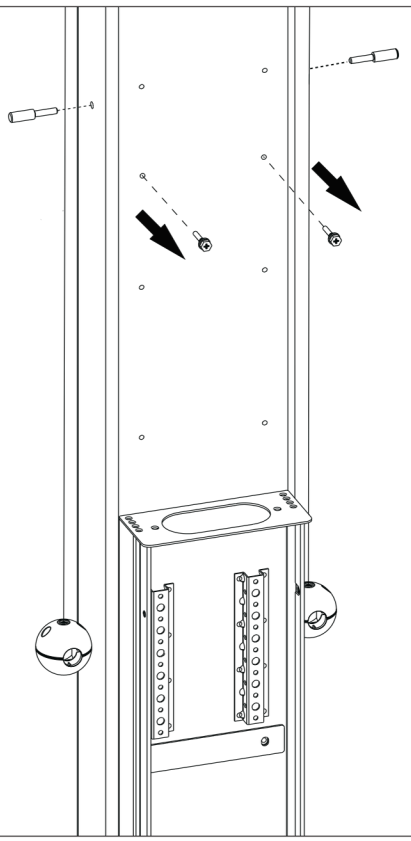
7

Insert four M6 x 16 screws into the holes to secure the pedestal onto the CMS. Tighten the screws to 22.1-31 lbf·in (2.5-3.5 Nm) using a socket wrench.



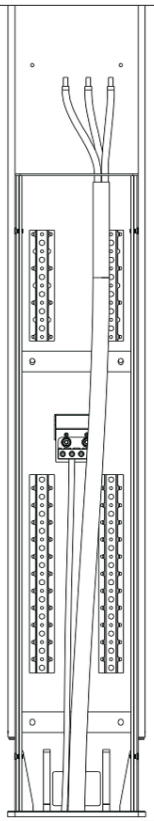
8

1. Insert the two locating pins from both sides.
2. Remove and discard the two M6 x 30 screws in the front using a Phillips screwdriver.



9

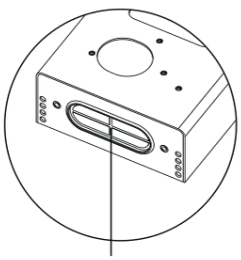
1. Prepare a PE cable (maximum 6 AWG copper wire recommended) to ground the pedestal as shown in the diagram.
2. Route the AC input cable and data cable through the AC inlet hole on the top of the pedestal.



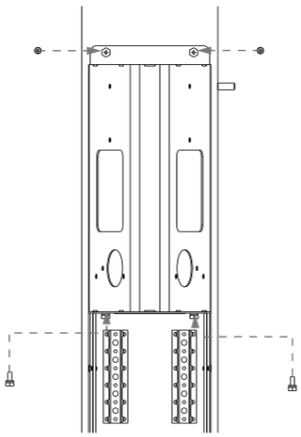
10

**1. For the mounting bracket of the PowerTechnology AC/AC Pro and Single Charger, cut off part of the rubber cover along the cross in the middle of it. Ensure the hole is the right size to accommodate the cables.**
**2. Place the mounting bracket onto the pedestal, aligning with the AC inlet hole.**
**3. Hold the bracket steady and install four M6 x 16 screws to secure the bracket. Tighten the screws to 22.1-31 lbf in (2.5-3.5 Nm) using a Phillips screwdriver.**
**4. Reinstall the pedestal's front cover by reinstalling the four M5 x 12 screws. Tighten the screws to 17.7 lbf-in (2 Nm) using the T25 Torx screwdriver.**

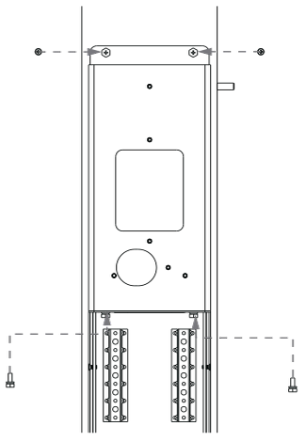
NOTE: The mounting bracket for the PowerTechnology AC Elite is a little diferent; refer to Step 5 in Mounting on a Wall.



The Hole



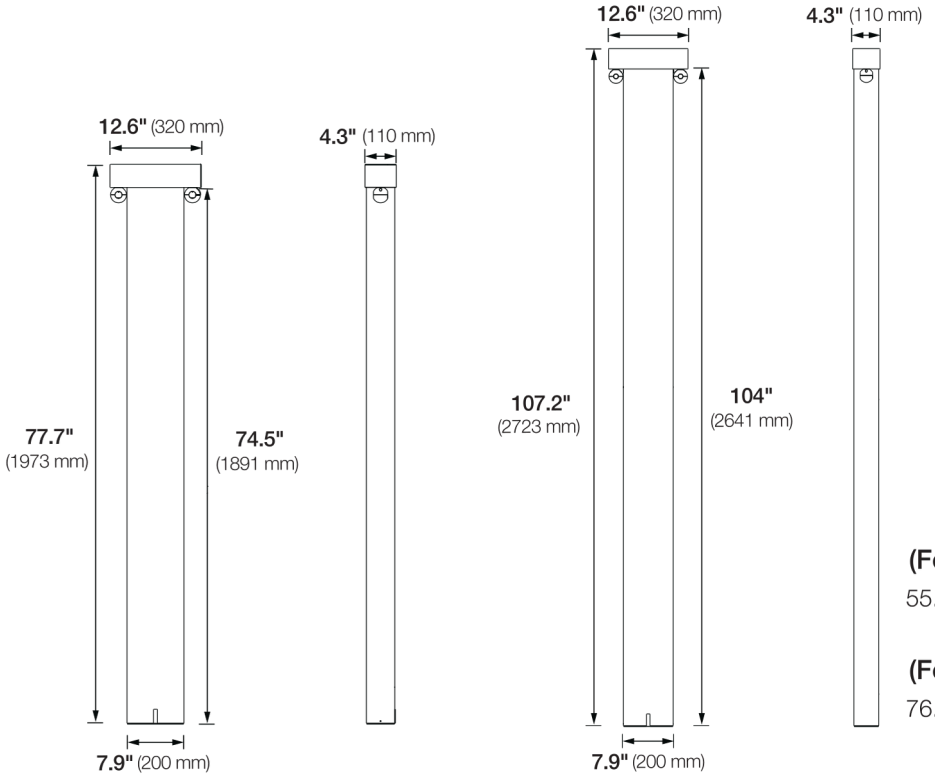
Dual Station Diagram



Single Station Diagram

**Refer to Step 6 in Mounting on a Wall to finish the installation and wiring.**

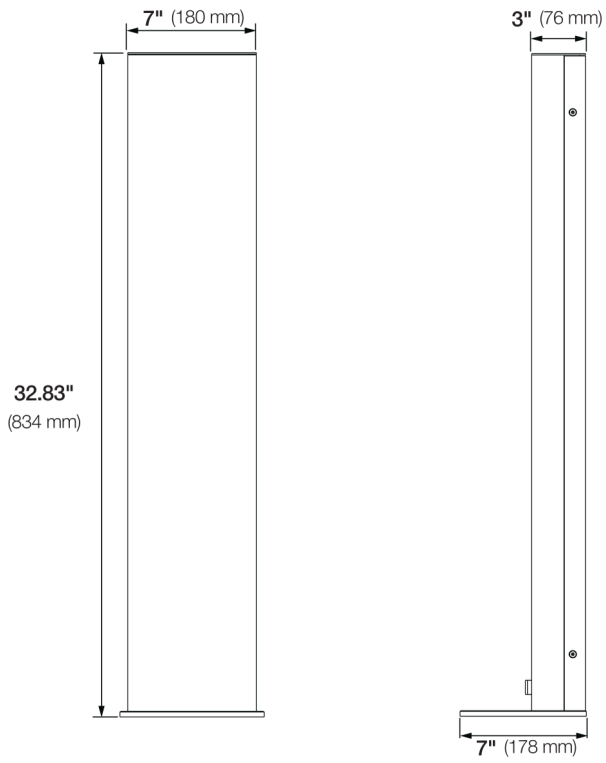
## CMS Dimensions




**(For 77.7-Inch CMS) Weight:**
55.6 lbs. (25.2 kg)

**(For 107.2-Inch CMS) Weight:**
76.3 lbs. (34.6 kg)

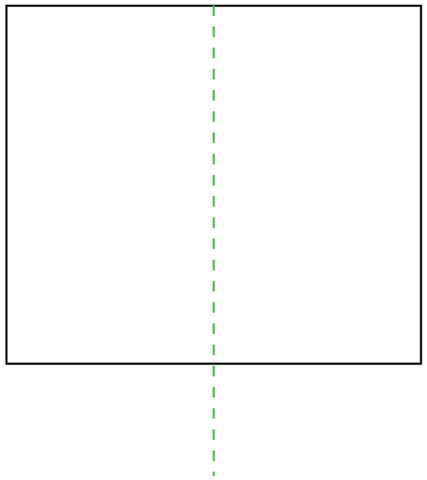
## Pedestal Dimensions




**Front View** **Side View**

*NOTE: The illustrations in this guide are for reference only. Please refer to the actual product.*

| REV | POSITION | DATE | DESCRIPTION |
|---|---|---|---|
| | 内容 | 2025/3/11 | 图文更新 |
| | | | |



# 正反印刷 骑马钉手册

| 颜色 | 备注 |
|---|---|
| PANTONE BLACK | 正反印刷 骑马钉 |

注：AUTEL设计部不指定供应商。效果做到参考样品一致即可。

| DIM | Sheetmetal | Machining |
|---|---|---|
| 0~6 | 0.10 | 0.05 |
| 6~30 | 0.15 | 0.10 |
| 30~120 | 0.25 | 0.15 |
| 120~300 | 0.35 | 0.20 |
| 300~600 | 0.50 | 0.25 |
| 600~1200 | 0.60 | 0.30 |
| >1200 | 0.80 | 0.50 |
| ANG. | 1~ | 30° |

These Drawings And Specification
Are The Property Of AUTEL .And Shall
NOT Be Reproduced Copyied Or Used
In Any Manner Without The Prior
Written Consent Of AUTEL

AUTEL 深圳市道通合创数字能源有限公司
Autel Digital Power Co., Ltd

PROJ

DRAW: 张贝贝
CHKD: 彭争花
STAD:
APPD:
SHEET: 1 OF 1

TITLE: 快速指引
UNIT'S: 265x190mm
FINISH:
MASS(Kg):
SCALE:
PRODUCT: 7寸CMS收线装置

DWG NO.: AUT62061465
PART NO.: 500010349
Material: 100g书纸

RELEASE LEVEL: &PROJ_RELEASE
FILE NAME: MODEL NAME

A3