

# ChargePoint CP6000 Series

## Specifications and Ordering Information

January 2023



# Specifications

## Electrical Input

The CP6000 supports flexible power settings up to 22 kW per port for single- and three-phase service. Power Select allows stations to be installed and configured for power lower than the maximum rating.

Circuit Share allows a dual-port station to share power from a single input circuit (subject to local regulations) across two ports, adjusting power depending on whether one or both ports are charging. Standard wiring uses an independent input power circuit for each port. Circuit Share can be used in combination with Power Select.

## Three-phase Electrical Input (3Ø)

| Electrical Input                     | Single Port   |                            |                               | Dual Port     |                                         |                               |
|--------------------------------------|---------------|----------------------------|-------------------------------|---------------|-----------------------------------------|-------------------------------|
|                                      | Input Current | Input Power Connection     | Minimum Service Panel Breaker | Input Current | Input Power Connection                  | Minimum Service Panel Breaker |
| Standard 63 A 3Ø Circuit Shared*     | n/a           | n/a                        | n/a                           | 3Ø 63 A       | One 3Ø 63 A branch circuit              | 63 A 4 pole                   |
| Standard 32 A 3Ø                     | 3Ø 32 A       | One 3Ø 32 A branch current | 32 A 4 pole                   | 3Ø 32 A x 2   | Two independent 3Ø 32 A branch circuits | 32 A 4 pole x 2               |
| Standard 32 A 3Ø Circuit Shared*     | n/a           | n/a                        | n/a                           | 3Ø 32 A       | One 3Ø 32 A branch circuit              | 32 A 4 pole                   |
| Power Select 25 A 3Ø                 | 3Ø 25 A       | One 3Ø 25 A branch current | 25 A 4 pole                   | 3Ø 25 A x 2   | Two independent 3Ø 25 A branch circuits | 25 A 4 pole x 2               |
| Power Select 25 A 3Ø Circuit Shared* | n/a           | n/a                        | n/a                           | 3Ø 25 A       | One 3Ø 25 A branch circuit              | 25 A 4 pole                   |
| Power Select 20 A 3Ø                 | 3Ø 20 A       | One 3Ø 20 A branch current | 20 A 4 pole                   | 3Ø 20 A x 2   | Two independent 3Ø 20 A branch circuits | 20 A 4 pole x 2               |
| Power Select 20 A 3Ø Circuit Shared* | n/a           | n/a                        | n/a                           | 3Ø 20 A       | One 3Ø 20 A branch circuit              | 20 A 4 pole                   |
| Power Select 16 A 3Ø                 | 3Ø 16 A       | One 3Ø 16 A branch current | 16 A 4 pole                   | 3Ø 16 A x 2   | Two independent 3Ø 16 A branch circuits | 16 A 4 pole x 2               |

|                                               |                                                                                                                                     |                               |             |                                |                                                  |                    |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|--------------------------------|--------------------------------------------------|--------------------|
| Power Select<br>16 A 3Ø<br>Circuit<br>Shared* | n/a                                                                                                                                 | n/a                           | n/a         | 3Ø 16 A                        | One 3Ø 16 A<br>branch circuit                    | 16 A<br>4 pole     |
| Power Select<br>12 A 3Ø                       | 3Ø 12 A                                                                                                                             | One 3Ø 12 A<br>branch current | 12 A 4 pole | 3Ø 12 A x 2                    | Two<br>independent<br>3Ø 12 A branch<br>circuits | 12 A<br>4 pole x 2 |
| Service panel<br>RCD                          | Installation guide provides guidance on the use of panel RCD and MCB                                                                |                               |             |                                |                                                  |                    |
| Wiring –<br>Standard 3Ø                       | 5-wire (L1, L2, L3, N, PE)                                                                                                          |                               |             | 2 x 5-wire (L1, L2, L3, N, PE) |                                                  |                    |
| Wiring – 3Ø<br>Circuit<br>Shared*             | n/a                                                                                                                                 |                               |             | 1 x 5-wire (L1, L2, L3, N, PE) |                                                  |                    |
| Input phase<br>balancing*                     | To reduce grid asynchronicity when charging single-phase cars, we support Phase<br>Balancing for dual-port stations at installation |                               |             |                                |                                                  |                    |

\*Circuit Sharing and/or Phase Balancing require the installation of the included Power Management Kit

## Single-phase Electrical Input (1Ø)

| Electrical<br>Input                           | Single Port      |                               |                                        | Dual Port        |                                                  |                                        |
|-----------------------------------------------|------------------|-------------------------------|----------------------------------------|------------------|--------------------------------------------------|----------------------------------------|
|                                               | Input<br>Current | Input Power<br>Connection     | Minimum<br>Service<br>Panel<br>Breaker | Input<br>Current | Input Power<br>Connection                        | Minimum<br>Service<br>Panel<br>Breaker |
| Standard 63<br>A 1Ø Circuit<br>Shared*        | n/a              | n/a                           | n/a                                    | 1Ø 63 A          | One 1Ø 63 A<br>branch circuit                    | 63 A<br>dual pole                      |
| Standard 32<br>A 1Ø                           | 1Ø 32 A          | One 1Ø 32 A<br>branch current | 32 A dual<br>pole                      | 1Ø 32 A x 2      | Two<br>independent<br>1Ø 32 A branch<br>circuits | 32 A<br>dual pole x 2                  |
| Standard 32<br>A 1Ø Circuit<br>Shared*        | n/a              | n/a                           | n/a                                    | 1Ø 32 A          | One 1Ø 32 A<br>branch circuit                    | 32 A<br>dual pole                      |
| Power Select<br>25 A 1Ø                       | 1Ø 25 A          | One 1Ø 25 A<br>branch current | 25 A dual<br>pole                      | 1Ø 25 A x 2      | Two<br>independent<br>1Ø 25 A branch<br>circuits | 25 A<br>dual pole x 2                  |
| Power Select<br>25 A 1Ø<br>Circuit<br>Shared* | n/a              | n/a                           | n/a                                    | 1Ø 25 A          | One 1Ø 25 A<br>branch circuit                    | 25 A<br>dual pole                      |
| Power Select<br>20 A 1Ø                       | 1Ø 20 A          | One 1Ø 20 A<br>branch current | 20 A dual<br>pole                      | 1Ø 20 A x 2      | Two<br>independent<br>1Ø 20 A branch<br>circuits | 20 A<br>dual pole x 2                  |

|                                               |                                                                                                                                     |                               |                   |                        |                                                  |                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------|------------------------|--------------------------------------------------|-----------------------|
| Power Select<br>20 A 1Ø<br>Circuit<br>Shared* | n/a                                                                                                                                 | n/a                           | n/a               | 1Ø 20 A                | One 1Ø 20 A<br>branch circuit                    | 20 A<br>dual pole     |
| Power Select<br>16 A 1Ø                       | 1Ø 16 A                                                                                                                             | One 1Ø 16 A<br>branch current | 16 A dual<br>pole | 1Ø 16 A x 2            | Two<br>independent<br>1Ø 16 A branch<br>circuits | 16 A<br>dual pole x 2 |
| Power Select<br>16 A 1Ø<br>Circuit<br>Shared* | n/a                                                                                                                                 | n/a                           | n/a               | 1Ø 16 A                | One 1Ø 16 A<br>branch circuit                    | 16 A<br>dual pole     |
| Power Select<br>12 A 1Ø                       | 1Ø 12 A                                                                                                                             | One 1Ø 12 A<br>branch current | 12 A dual<br>pole | 1Ø 12 A x 2            | Two<br>independent<br>1Ø 12 A branch<br>circuits | 12 A<br>dual pole x 2 |
| Service panel<br>RCD                          | Installation guide provides guidance on the use of panel RCD and MCB                                                                |                               |                   |                        |                                                  |                       |
| Wiring –<br>Standard 1Ø                       | 1 x 3-wire (L1, N, PE)                                                                                                              |                               |                   | 2 x 3-wire (L1, N, PE) |                                                  |                       |
| Wiring – 1Ø<br>Circuit<br>Shared*             | n/a                                                                                                                                 |                               |                   | 1 x 3-wire (L1, N, PE) |                                                  |                       |
| Input phase<br>balancing*                     | To reduce grid asynchronicity when charging single-phase cars, we support Phase<br>Balancing for dual-port stations at installation |                               |                   |                        |                                                  |                       |

\*Circuit Sharing and/or Phase Balancing require the installation of the included Power Management Kit

## Three-phase Electrical Output (3Ø)

| Electrical Output (Power ratings depend on installation configuration) | Single Port                      | Dual Port                                                                  |
|------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------|
| Standard 63 A 3Ø Circuit Shared*                                       | n/a                              | 21.5 kW (3Ø 400 V AC @ 31 A) x 2                                           |
| Standard 32 A 3Ø                                                       | 22.2 kW (3Ø 400 V AC @ 32 A) x 1 | 22.2 kW (3Ø 400 V AC @ 32 A) x 2                                           |
| Standard 32 A 3Ø Circuit Shared*                                       | n/a                              | 22.2 kW (3Ø 400 V AC @ 32 A) x 1<br>Or<br>11.1 kW (3Ø 400 V AC @ 16 A) x 2 |
| Power Select 25 A 3Ø                                                   | 17.3 kW (3Ø 400 V AC @ 25 A) x 1 | 17.3 kW (3Ø 400 V AC @ 25 A) x 2                                           |
| Power Select 25 A 3Ø Circuit Shared*                                   | n/a                              | 17.3 kW (3Ø 400 V AC @ 25 A) x 1<br>Or<br>8.3 kW (3Ø 400 V AC @ 12 A) x 2  |
| Power Select 20 A 3Ø                                                   | 13.9 kW (3Ø 400 V AC @ 20 A) x 1 | 13.9 kW (3Ø 400 V AC @ 20 A) x 2                                           |

|                                      |                                  |                                                                           |
|--------------------------------------|----------------------------------|---------------------------------------------------------------------------|
| Power Select 20 A 3Ø Circuit Shared* | n/a                              | 13.9 kW (3Ø 400 V AC @ 20 A) x 1<br>Or<br>6.9 kW (3Ø 400 V AC @ 10 A) x 2 |
| Power Select 16 A 3Ø                 | 11.1 kW (3Ø 400 V AC @ 16 A) x 1 | 11.1 kW (3Ø 400 V AC @ 16 A) x 2                                          |
| Power Select 16 A 3Ø Circuit Shared* | n/a                              | 11.1 kW (3Ø 400 V AC @ 16 A) x 1<br>Or<br>5.5 kW (3Ø 400 V AC @ 8 A) x 1  |
| Power Select 12 A 3Ø                 | 8.3 kW (3Ø 400 V AC @ 12 A) x 1  | 8.3 kW (3Ø 400 V AC @ 12 A) x 2                                           |

\*Circuit Sharing and/or Phase Balancing require the installation of the included Power Management Kit



**NOTE:** Charging stations with shuttered sockets may be required to comply with local regulations at the installation location.

## Single-phase Electrical Output (1Ø)

| Electrical Output (Power ratings depend on installation configuration) | Single Port                     | Dual Port                                                                |
|------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------|
| Standard 63 A 1Ø Circuit Shared*                                       | n/a                             | 7.1 kW (1Ø 230 V AC @ 31 A) x 2                                          |
| Standard 32 A 1Ø                                                       | 7.4 kW (1Ø 230 V AC @ 32 A) x 1 | 7.4 kW (1Ø 230 V AC @ 32 A) x 2                                          |
| Standard 32 A 1Ø Circuit Shared*                                       | n/a                             | 7.4 kW (1Ø 230 V AC @ 32 A) x 1<br>Or<br>3.7 kW (1Ø 230 V AC @ 16 A) x 2 |
| Power Select 25 A 1Ø                                                   | 5.8 kW (1Ø 230 V AC @ 25 A) x 1 | 5.8 kW (1Ø 230 V AC @ 25 A) x 2                                          |
| Power Select 25 A 1Ø Circuit Shared*                                   | n/a                             | 5.8 kW (1Ø 230 V AC @ 25 A) x 1<br>Or<br>2.8 kW (1Ø 230 V AC @ 12 A) x 2 |
| Power Select 20 A 1Ø                                                   | 4.6 kW (1Ø 230 V AC @ 20 A) x 1 | 4.6 kW (1Ø 230 V AC @ 20 A) x 2                                          |

|                                      |                                    |                                                                                |
|--------------------------------------|------------------------------------|--------------------------------------------------------------------------------|
| Power Select 20 A 1Ø Circuit Shared* | n/a                                | 4.6 kW (1Ø 230 V AC @ 20 A)<br>x 1<br>Or<br>2.3 kW (1Ø 230 V AC @ 10 A)<br>x 2 |
| Power Select 16 A 1Ø                 | 3.7 kW (1Ø 230 V AC @ 16 A)<br>x 1 | 3.7 kW (1Ø 230 V AC @ 16 A)<br>x 2                                             |
| Power Select 16 A 1Ø Circuit Shared* | n/a                                | 3.7 kW (1Ø 230 V AC @ 16 A)<br>x 1<br>Or<br>1.8 kW (1Ø 230 V AC @ 8 A) x<br>1  |
| Power Select 12 A 1Ø                 | 2.8 kW (1Ø 230 V AC @ 12 A)<br>x 1 | 2.8 kW (1Ø 230 V AC @ 12 A)<br>x 2                                             |

\*Circuit Sharing and/or Phase Balancing require the installation of the included Power Management Kit



**NOTE:** Charging stations with shuttered sockets may be required to comply with local regulations at the installation location.

## Station Specifications and Functional Interfaces

|                            |                                                                                                                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connector Types            | IEC 62196-2 Type 2 socket, IEC 62196-2 Type 2 integrated (Type 2 shuttered socket outlet available in France)                                                                                                                         |
| Number of Ports            | Single, Dual                                                                                                                                                                                                                          |
| Cable Length               | 5.5 m, 7 m                                                                                                                                                                                                                            |
| Cable Management           | Included with integrated cable models                                                                                                                                                                                                 |
| Display/user Interface     | Full-colour 203 mm (8 in) interactive display with full motion video, UV protection, gesture touch controls and multi-language support<br>Option without display for private commercial fleet charging                                |
| Authentication and Payment | RFID: ISO 15693, ISO 14443, NEMA EVSE 1.2-2015 (UR)<br>Tap to Charge (NFC on Apple & Android for supported countries)<br>Remote: mobile and in vehicle (if supported by vehicle)<br>Contactless credit card (for supported countries) |
| ISO 15118                  | Supported by hardware                                                                                                                                                                                                                 |
| Locking Holster            | Yes                                                                                                                                                                                                                                   |
| MID-compliant Meter        | Yes                                                                                                                                                                                                                                   |

## Power Management Features

|                             |                            |
|-----------------------------|----------------------------|
| Power Sharing               | Yes                        |
| Circuit Sharing             | Yes                        |
| Demand Response via OCPP    | Yes                        |
| Power Measurement Accuracy  | +/- 2%                     |
| Power Report/Store Interval | 15-minute, aligned to hour |

## Connectivity Features

|                    |                                           |
|--------------------|-------------------------------------------|
| Wide Area Network  | LTE Category 4; GSM as backup             |
| Local Area Network | Wi-Fi 2.4 GHz and 5 GHz (802.11 b/g/n/ac) |
| Network Protocol   | OCPP 2.0.1                                |
| Ethernet           | Hardware is capable with accessory        |

## Safety and Operational Ratings

|                            |                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Residual Current Device    | Included: 30 mA, Type A-SI up to 30 mA AC detection                                                                                                                                           |
| DC Fault Current Detection | Electronic, DC $\geq$ 6 mA                                                                                                                                                                    |
| Plug-out Detection         | Yes                                                                                                                                                                                           |
| Safety Compliance          | <ul style="list-style-type: none"> <li>• IEC 61851-1 (ed. 3.0, 2017)</li> <li>• IEC 62955-1:2018</li> <li>• IEC 62368-1:2020</li> <li>• IEC 61439-7:2020</li> <li>• LVD 2014/35/EU</li> </ul> |
| Station Surge Protection   | Up to 4 kV surge protection (ref: IEC 61000-4-5)                                                                                                                                              |
| Station Enclosure Rating   | IP56, IK10                                                                                                                                                                                    |
| EMC Compliance             | <ul style="list-style-type: none"> <li>• EMC 2014/30/EU</li> <li>• RED 2014/53/EU</li> <li>• IEC 61851-21-2: 2018</li> </ul>                                                                  |
| Storage Temperature        | -40°C to 60°C                                                                                                                                                                                 |
| Operating Temperature      | -25°C to 50°C                                                                                                                                                                                 |
| Operating Humidity         | Up to 85% @ 50°C non-condensing                                                                                                                                                               |
| Non-operating Humidity     | Up to 95% @ 50°C non-condensing                                                                                                                                                               |
| Mechanical Class           | M2                                                                                                                                                                                            |
| Electrical Class           | E2                                                                                                                                                                                            |
| Metering Accuracy          | Class A                                                                                                                                                                                       |

# Ordering Information

## Stations

The order codes below represent specific product configurations. Other product options are available upon request. Please contact ChargePoint Sales for additional configurations and order codes.

| Description |                                                                                               | Order code       |
|-------------|-----------------------------------------------------------------------------------------------|------------------|
| Model       | Pedestal mount, dual port, Type 2 integrated 5.5 m cable, 32 A 1- and 3-phase                 | CP6321B-32A-L5.5 |
|             | Pedestal mount, dual port, Type 2 socket, 1- and 3-phase 32 A                                 | CP6121B-32A      |
|             | Pedestal mount, dual port, Type 2 shuttered socket, 1- and 3-phase 32 A (available in France) | CP6421B-32A      |
|             | Wall mount, dual port, Type 2 integrated 5.5 m cable, 1- and 3-phase 32 A                     | CP6323B-32A-L5.5 |
|             | Wall mount, dual port, Type 2 socket, 1- and 3-phase 32 A                                     | CP6123B-32A      |
|             | Wall mount, dual port, Type 2 shuttered socket, 1- and 3-phase 32 A (available in France)     | CP6423B-32A      |
| Misc.       | CP6000 Concrete Mounting Kit                                                                  | CP6000-CMT       |

## Software and Services

| Description                          | Order Code          |
|--------------------------------------|---------------------|
| ChargePoint Commercial Cloud Plan    | CPCLD-COMMERCIAL-n1 |
| ChargePoint Enterprise Cloud Plan    | CPCLD-ENTERPRISE-n1 |
| ChargePoint Assure®                  | CP6000-ASSURE-n2    |
| Station Activation and Configuration | CPSUPPORT-ACTIVE    |
| ChargePoint Site Validation          | CPSUPPORT-SITEVALID |

<sup>1</sup>Substitute n for desired years of service (1 to 5 years).

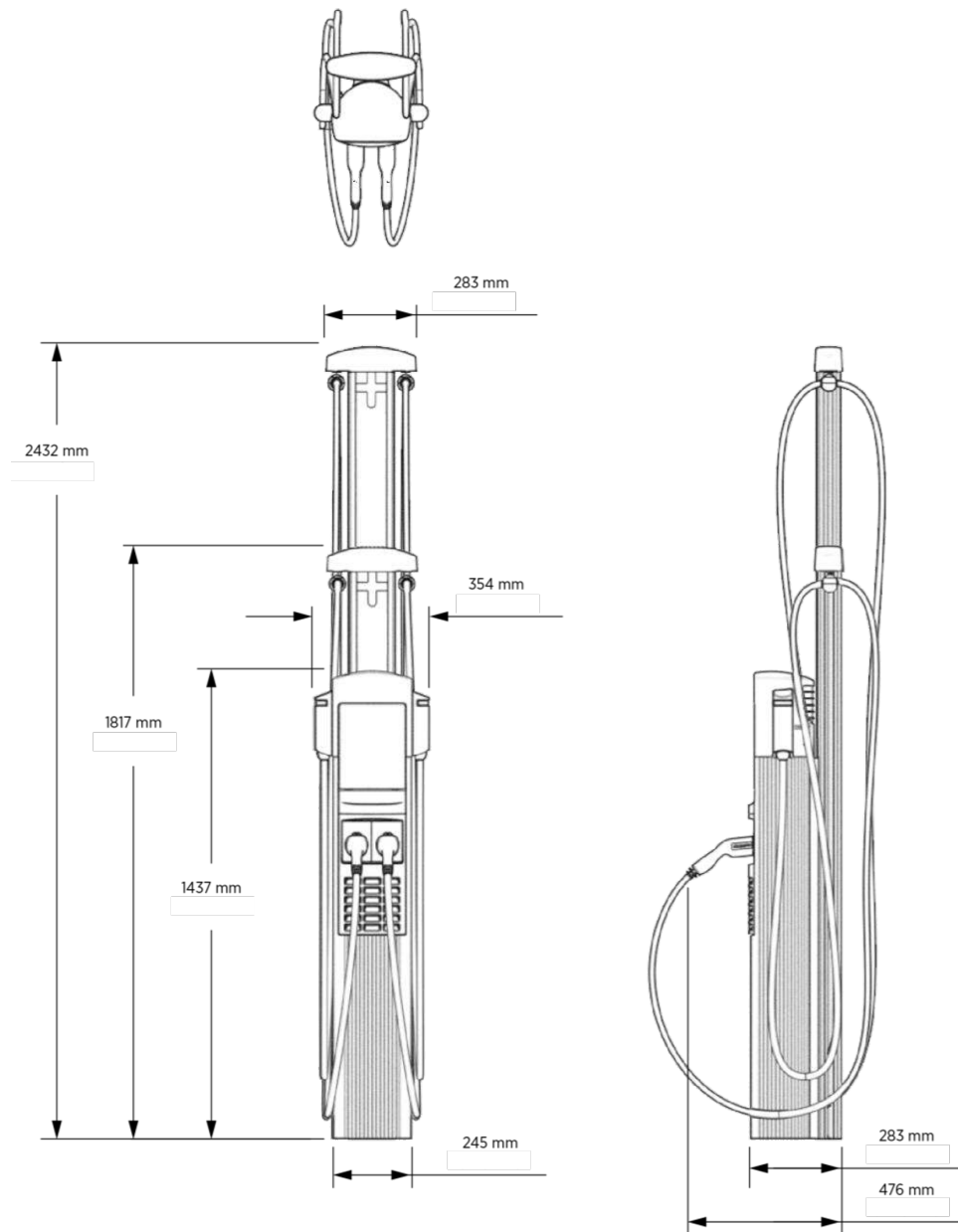
<sup>2</sup>Substitute n for the duration of coverage (1 to 5 years).

## Order Code Examples

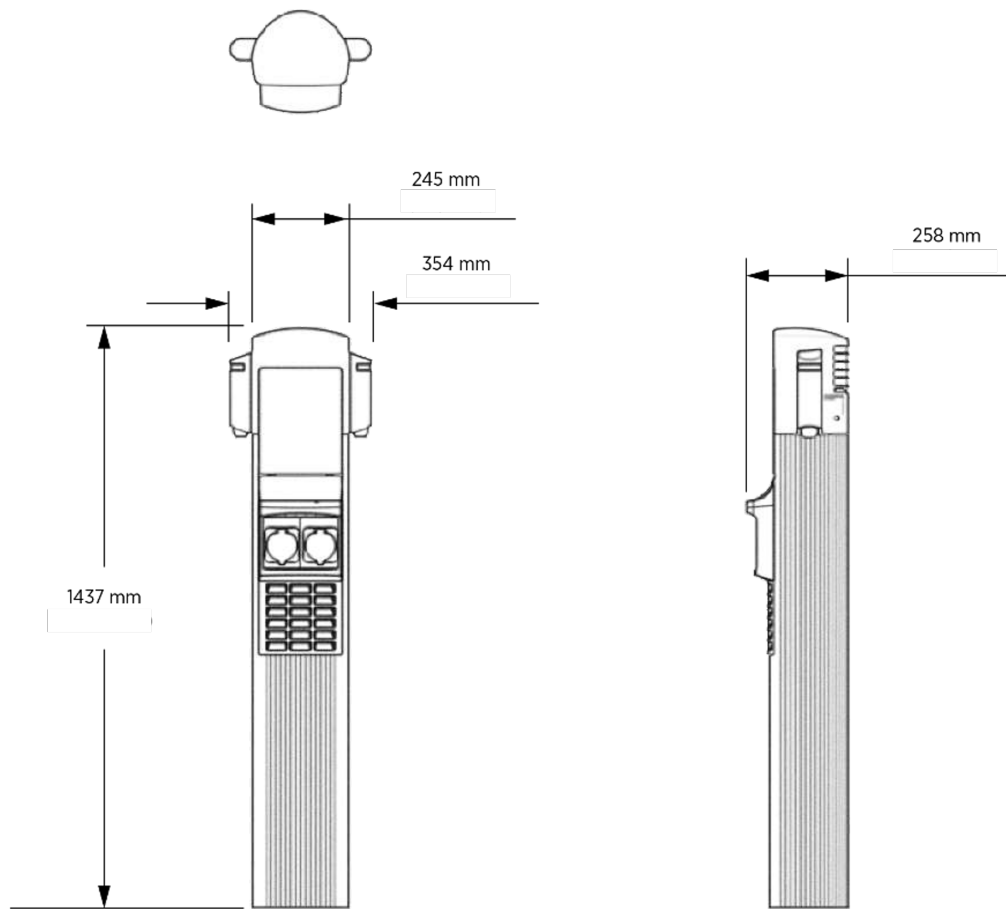
| If ordering this...                                                                                                                                                                                                                                | ...the order code is                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Pedestal mount, dual port, 5.5 m Type 2 cable<br>CP6000 station<br>ChargePoint Commercial Cloud Plan, 3-year<br>subscription<br>ChargePoint Site Validation<br>3 years of Assure coverage                                                          | CP6321B-32A-L5.5<br>CPCLD-COMMERCIAL-3<br>CPSUPPORT-SITEVALID<br>CP6000-ASSURE-3                |
| Wall mount, dual port, Type 2 socket CP6000<br>station<br>ChargePoint Enterprise Cloud Plan, 5-year<br>subscription<br>ChargePoint Site Validation<br>5 years of Assure coverage<br>Station Activation and Configuration by<br>ChargePoint Support | CP6123B-32A<br>CPCLD-ENTERPRISE-5<br>CPSUPPORT-SITEVALID<br>CP6000-ASSURE-5<br>CPSUPPORT-ACTIVE |

# Architectural Drawings and Dimensions

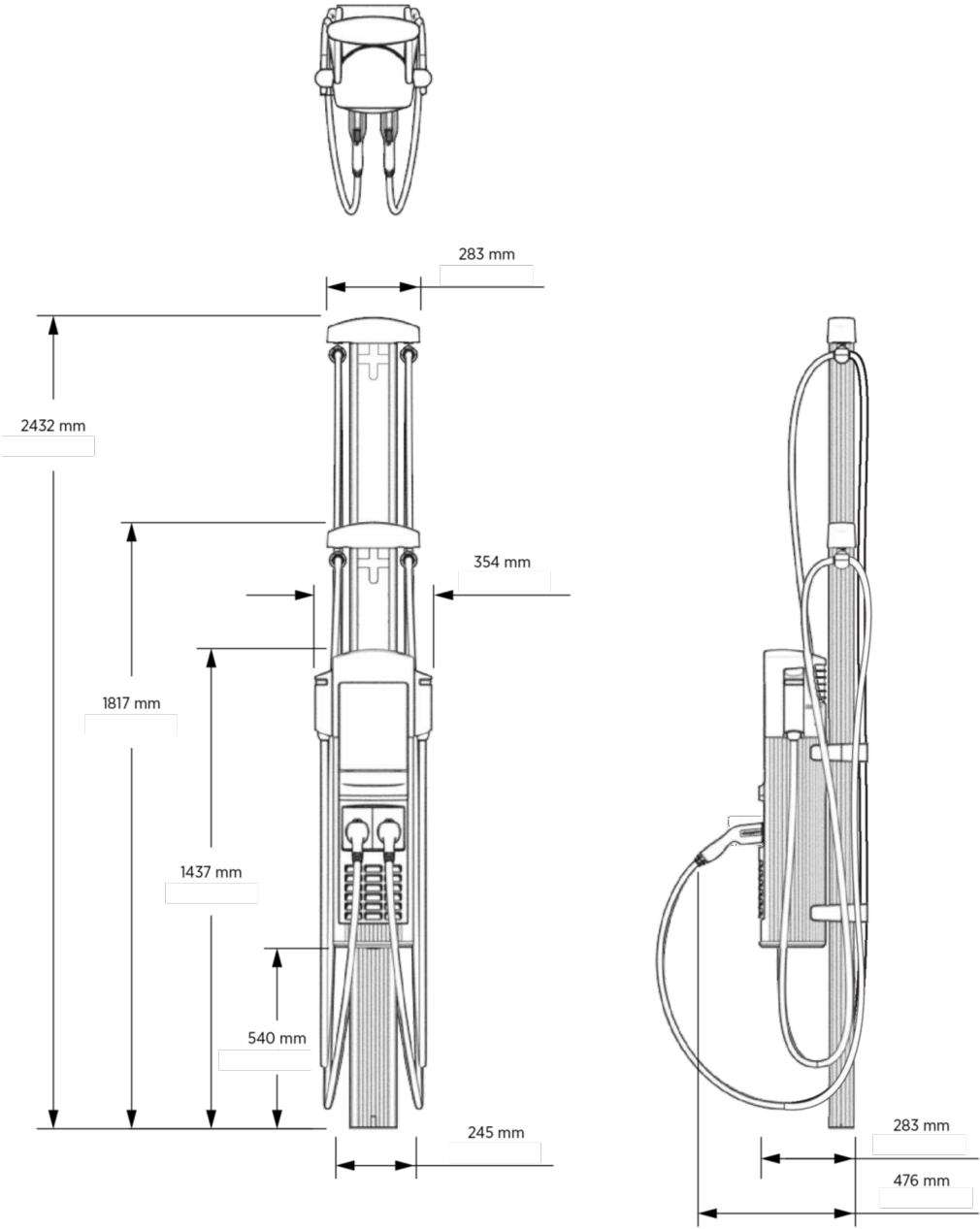
## Pedestal Mount, Integrated Cable



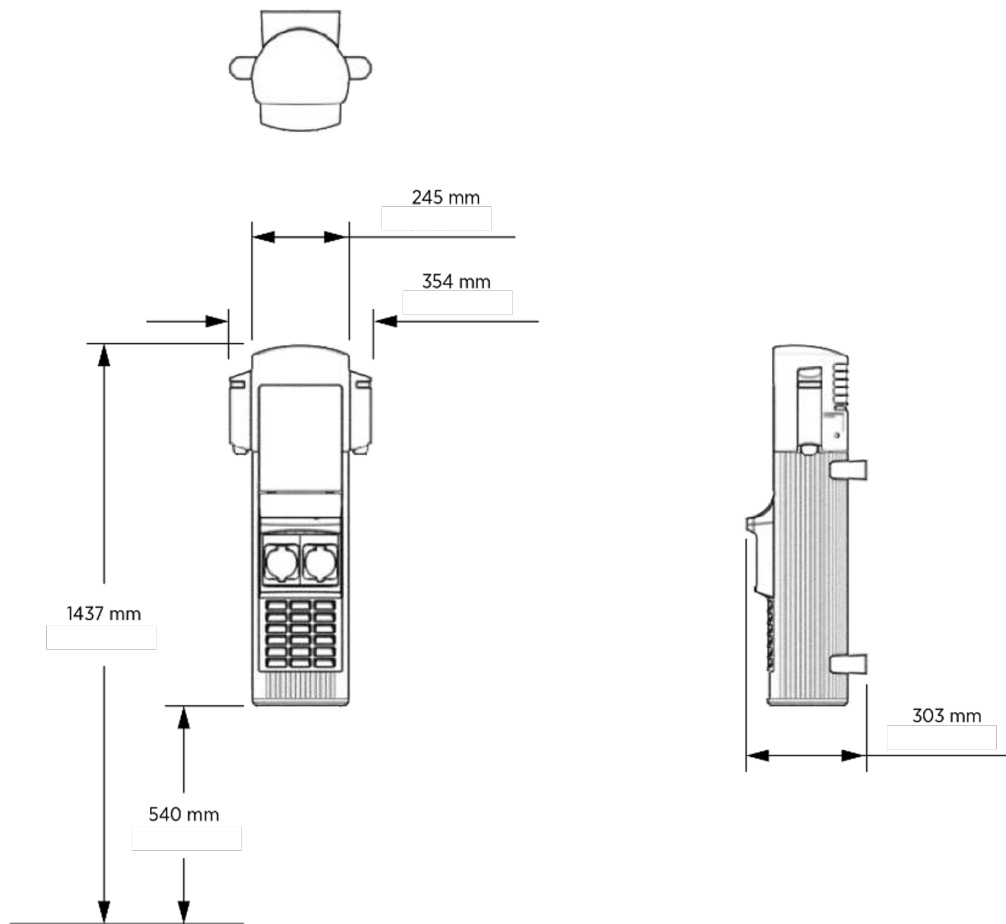
## Pedestal Mount, Socket



# Wall Mount, Integrated Cable



# Wall Mount, Socket



### Contact Us

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