

ChargePoint® 6000 Series

Specifications and ordering information



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

Electrical input	Single port			Dual port		
	Input current	Input power connection	Minimum service panel breaker	Input current	Input power connection	Minimum service panel breaker
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 16 A 3Ø Circuit Shared*	n/a	n/a	n/a	3Ø 16 A	One 3Ø 16 A branch circuit	16 A 4 pole
Power Select 12 A 3Ø	3Ø 12 A	One 3Ø 12 A branch current	12 A 4 pole	3Ø 12 A x 2	Two independent 3Ø 12 A branch circuits	12 A 4 pole x 2
Service panel RCD	Installation guide provides guidance on the use of panel RCD and MCB					
Wiring – Standard 3Ø	5-wire (L1, L2, L3, N, PE)			2 x 5-wire (L1, L2, L3, N, PE)		
Wiring – 3Ø Circuit Shared*	n/a			1 x 5-wire (L1, L2, L3, N, PE)		
Input phase balancing*	To reduce grid asynchronicity when charging single-phase cars, we support Phase 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 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 1Ø Circuit Shared*	n/a	n/a	n/a	1Ø 63 A	One 1Ø 63 A branch circuit	63 A dual pole
Standard 32 A 1Ø	1Ø 32 A	One 1Ø 32 A branch current	32 A dual pole	1Ø 32 A x 2	Two independent 1Ø 32 A branch circuits	32 A dual pole x 2
Standard 32 A 1Ø Circuit Shared*	n/a	n/a	n/a	1Ø 32 A	One 1Ø 32 A branch circuit	32 A dual pole
Power Select 25 A 1Ø	1Ø 25 A	One 1Ø 25 A branch current	25 A dual pole	1Ø 25 A x 2	Two independent 1Ø 25 A branch circuits	25 A dual pole x 2
Power Select 25 A 1Ø Circuit Shared*	n/a	n/a	n/a	1Ø 25 A	One 1Ø 25 A branch circuit	25 A dual pole
Power Select 20 A 1Ø	1Ø 20 A	One 1Ø 20 A branch current	20 A dual pole	1Ø 20 A x 2	Two independent 1Ø 20 A branch circuits	20 A dual pole x 2
Power Select 20 A 1Ø Circuit Shared*	n/a	n/a	n/a	1Ø 20 A	One 1Ø 20 A branch circuit	20 A dual pole
Power Select 16 A 1Ø	1Ø 16 A	One 1Ø 16 A branch current	16 A dual pole	1Ø 16 A x 2	Two independent 1Ø 16 A branch circuits	16 A dual pole x 2

Electrical input	Single port			Dual port		
	Input current	Input power connection	Minimum service panel breaker	Input current	Input power connection	Minimum service panel breaker
Power Select 16 A 1Ø Circuit Shared*	n/a	n/a	n/a	1Ø 16 A	One 1Ø 16 A branch circuit	16 A dual pole
Power Select 12 A 1Ø	1Ø 12 A	One 1Ø 12 A branch current	12 A dual pole	1Ø 12 A x 2	Two independent 1Ø 12 A branch circuits	12 A dual pole x 2
Service panel RCD	Installation guide provides guidance on the use of panel RCD and MCB					
Wiring – Standard 1Ø	1 x 3-wire (L1, N, PE)			2 x 3-wire (L1, N, PE)		
Wiring – 1Ø Circuit Shared*	n/a			1 x 3-wire (L1, N, PE)		
Input phase balancing*	To reduce grid asynchronicity when charging single-phase cars, we support Phase 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

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Electrical output (Power ratings depend on installation configuration)	Single port	Dual port
Standard 32 A 3Ø Circuit Shared*	n/a	22.2 kW (3Ø 400 V AC @ 32 A) x 1 Or 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 Or 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 Or 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 Or 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 Or 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 Or 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) x 1 Or 2.3 kW (1Ø 230 V AC @ 10 A) x 2
Power Select 16 A 1Ø	3.7 kW (1Ø 230 V AC @ 16 A) x 1	3.7 kW (1Ø 230 V AC @ 16 A) x 2
Power Select 16 A 1Ø Circuit Shared*	n/a	3.7 kW (1Ø 230 V AC @ 16 A) x 1 Or 1.8 kW (1Ø 230 V AC @ 8 A) x 1
Power Select 12 A 1Ø	2.8 kW (1Ø 230 V AC @ 12 A) x 1	2.8 kW (1Ø 230 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.

Station specifications and functional interfaces

Connector types	IEC 62196-2 Type 2 socket, IEC 62196-2 Type 2 integrated cable (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 Option without display for private commercial fleet charging
Authentication and payment	RFID: ISO 15693, ISO 14443, NEMA EVSE 1.2-2015 (UR) Tap to Charge (NFC on Apple & Android for supported countries) Remote: mobile and in vehicle (if supported by vehicle) 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"> • IEC 61851-1 (ed. 3.0, 2017) • IEC 62955-1:2018 • IEC 62368-1:2020 • IEC 61439-7:2020 • LVD 2014/35/EU
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"> • EMC 2014/30/EU • RED 2014/53/EU • IEC 61851-21-2: 2018
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

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	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- <i>n</i> ¹
ChargePoint Enterprise Cloud Plan	CPCLD-ENTERPRISE- <i>n</i> ¹
ChargePoint Assure®	CP6000-ASSURE- <i>n</i> ²
Station Activation and Configuration	CPSUPPORT-ACTIVE
ChargePoint Site Validation	CPSUPPORT-SITEVALID

¹Substitute *n* for desired years of service (1 to 5 years).

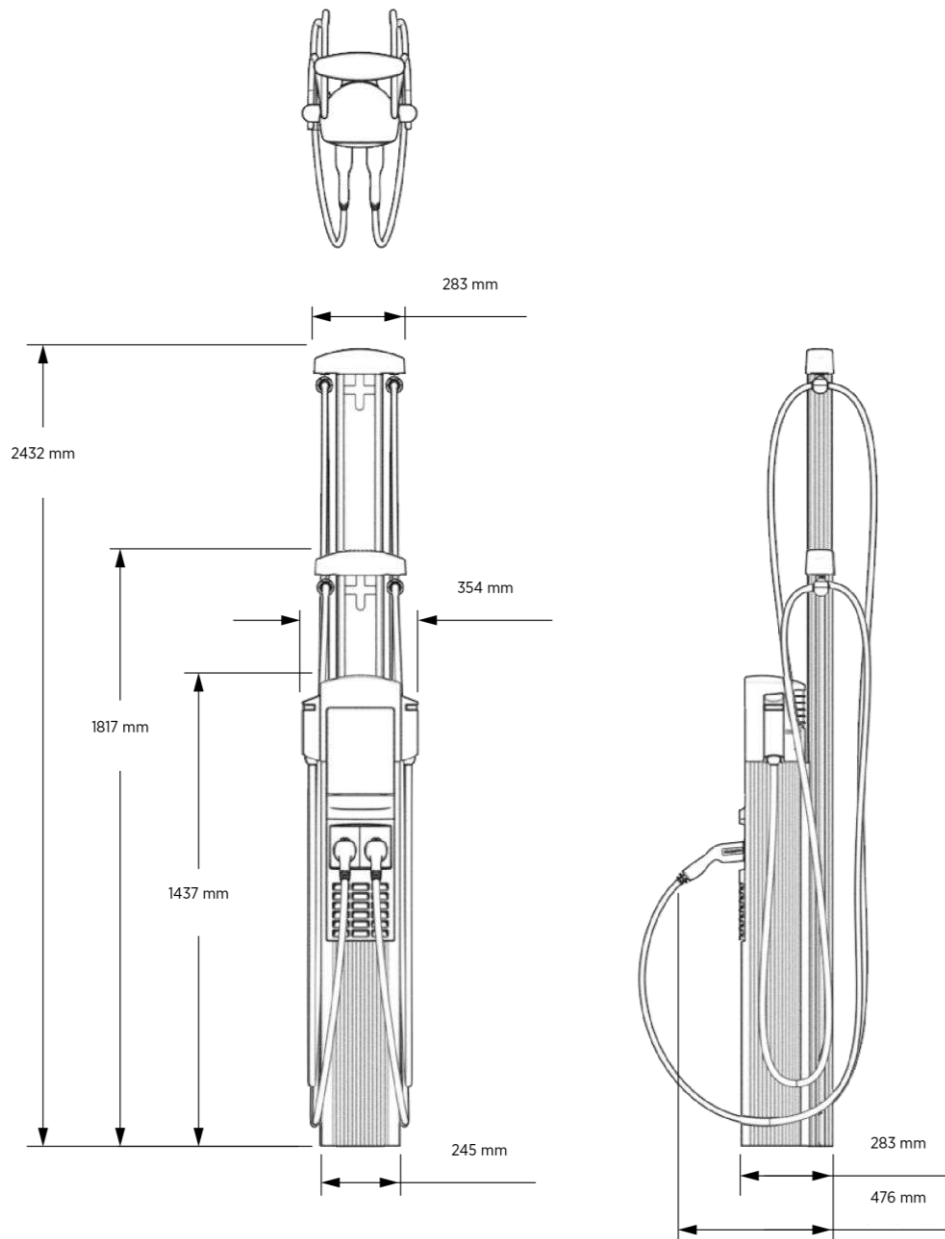
²Substitute *n* for the duration of coverage (1 to 5 years).

Order code examples

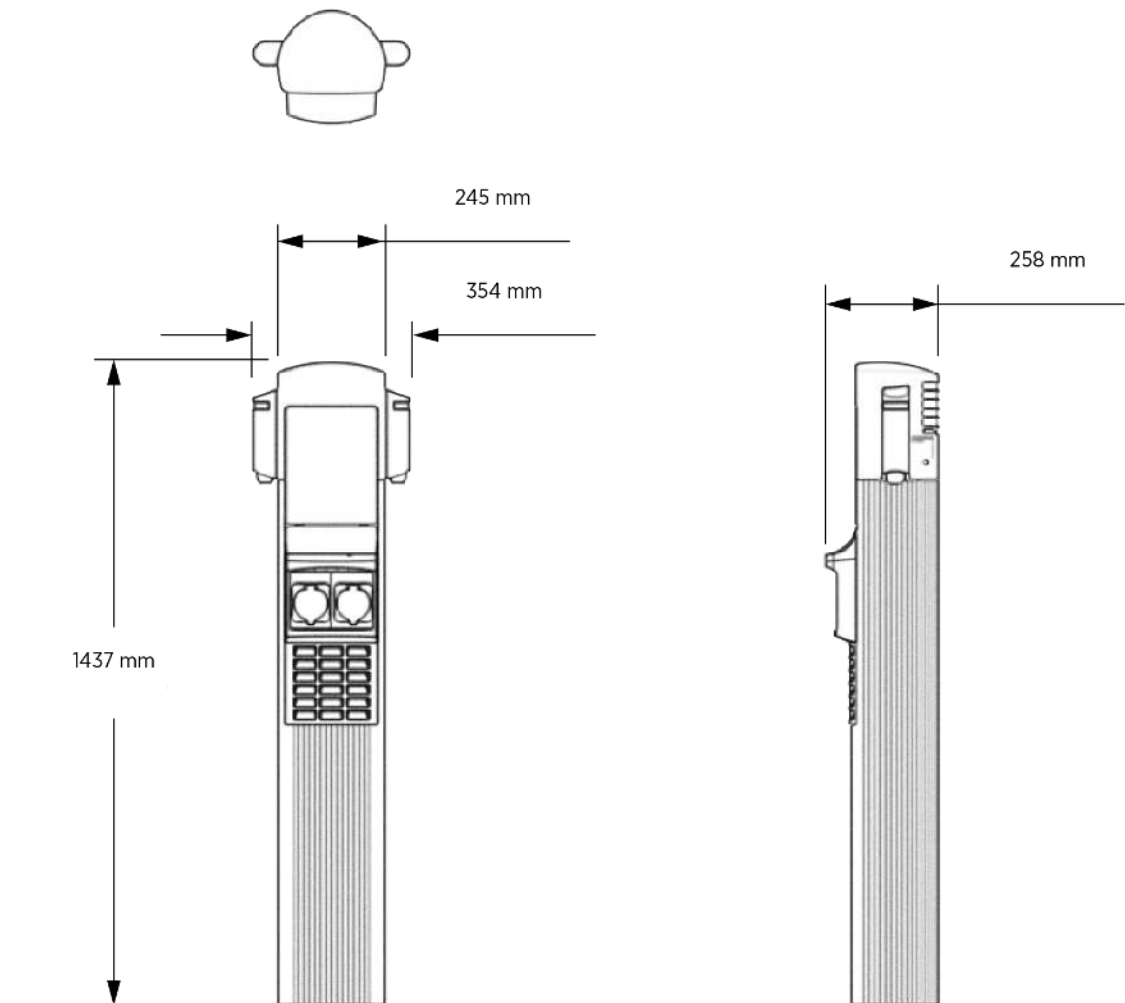
If ordering this...	...the order code is
Pedestal mount, dual port, 5.5 m Type 2 cable CP6000 station	CP6321B-32A-L5.5
ChargePoint Commercial Cloud Plan, 3-year subscription	CPCLD-COMMERCIAL-3
ChargePoint Site Validation	CPSUPPORT-SITEVALID
3 years of Assure coverage	CP6000-ASSURE-3
Wall mount, dual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

Architectural drawings and dimensions

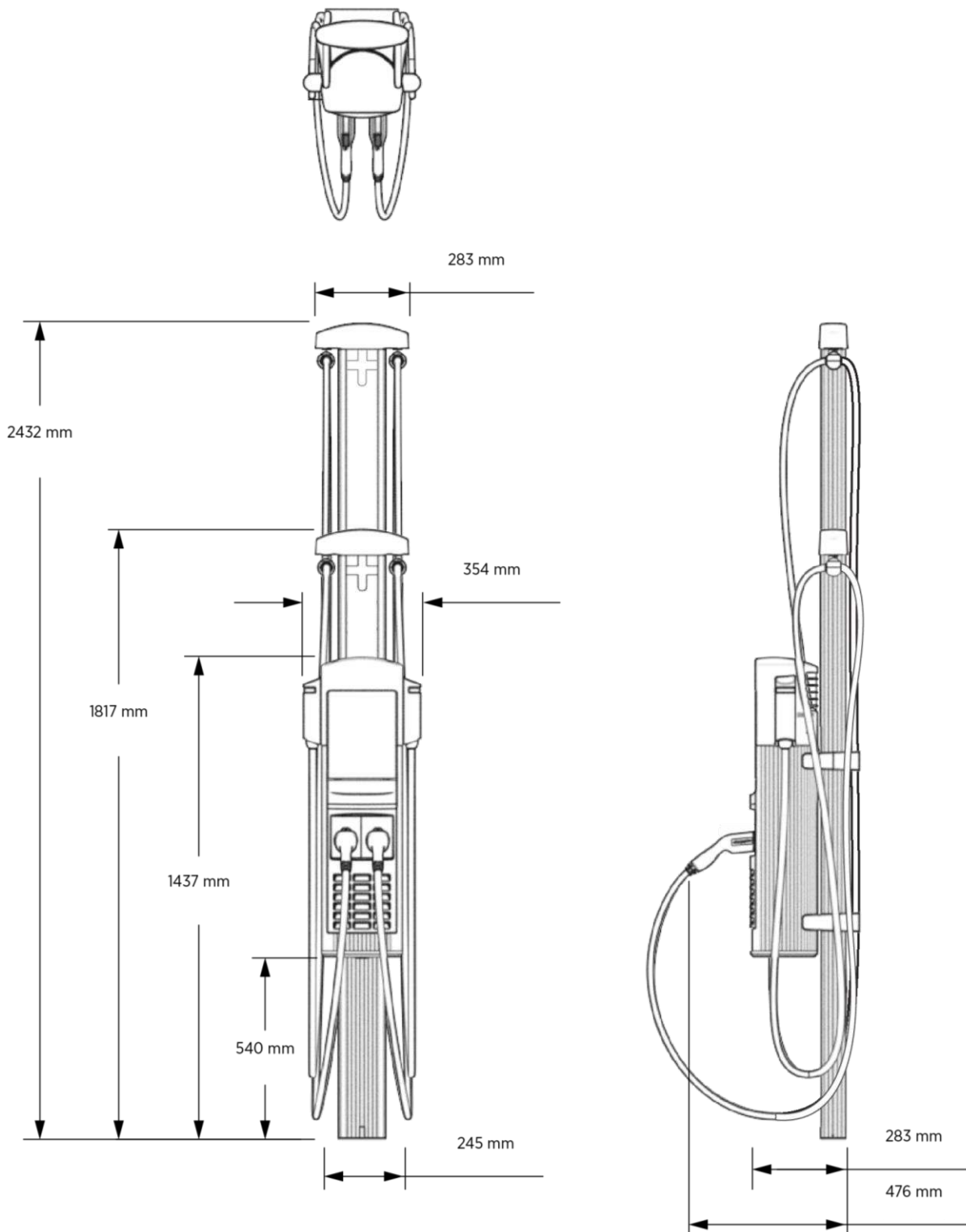
Pedestal mount, integrated cable



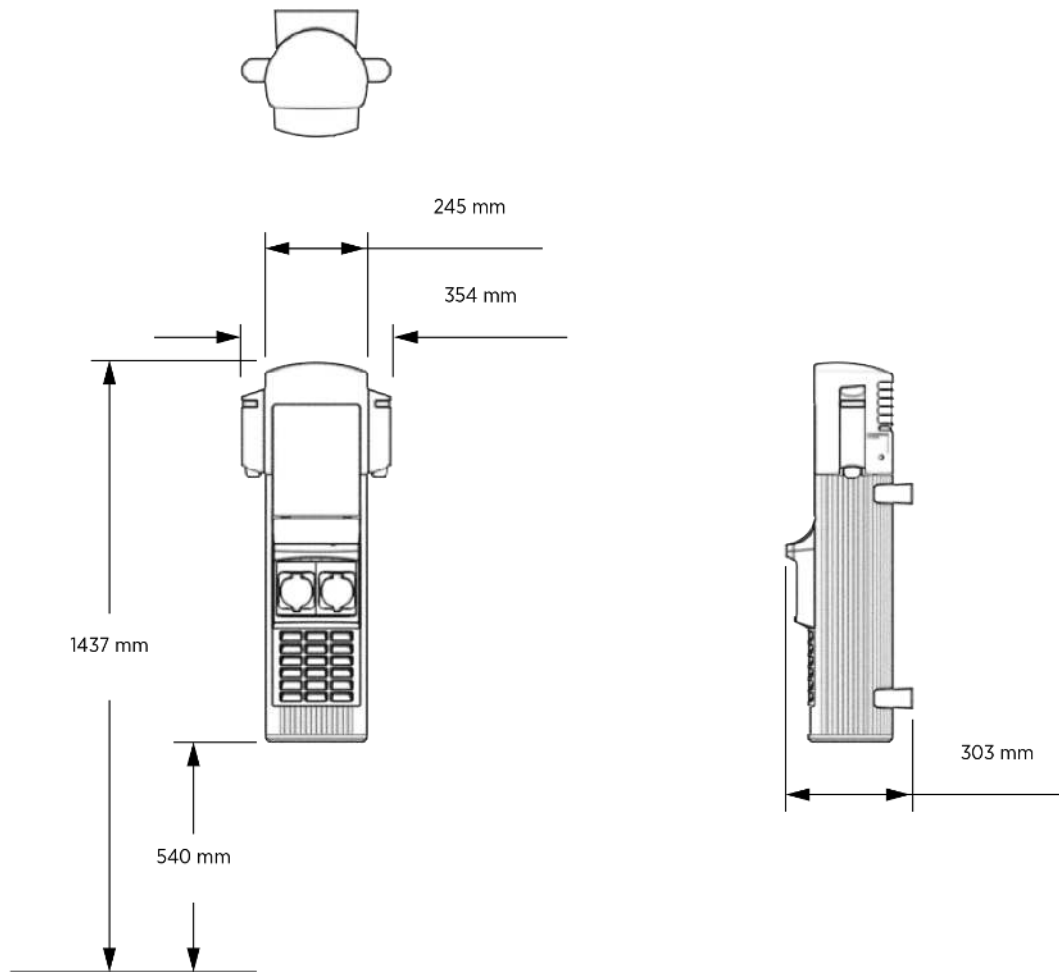
Pedestal mount, socket



Wall mount, integrated cable



Wall mount, socket





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