ChargePoint CT4000 Complete

Specifications and Ordering Information

Integrated technology and service bundle that includes:

+ Outdoor-rated, networked, CT4000 family commercial charging station with integral modem and cable managment system
+ Activation and station configuration
+ Subscriptions to ChargePoint network management services and station protection via Assure

Ordering Information

Specify number of years and model number.
The order code sequence is: CPC*n*- Model

Integrated technology and service bundle*		Order Code
Station Model	CT4013 Single Output, 208/240V Wall Unit	CPC*n*-CT4013
	CT4011 Single Output, 208/240V Bollard Unit	CPC*n*-CT4011
	CT4023 Dual Output, 208/240V Wall Unit	CPC*n*-CT4023
	CT4021 Dual Output, 208/240V Bollard Unit	CPC*n*-CT4021
Always Included**	Commercial Cloud Plan	
	Activation and Station Configuration	
	Site Validation	
	Assure Plan	
	Concrete Mounting Kit for Bollard Stations	
	Power Management Kit for Dual Port Stations	
	Station Manager and Driver Support	
	Integral Modem -GW1	

* Substitute *n* for desired years (1, 3, or 5 years).
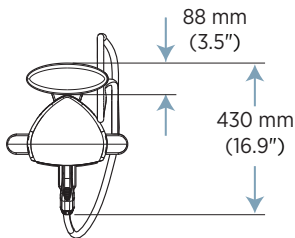** See highlights on page 6.

Order Code Example

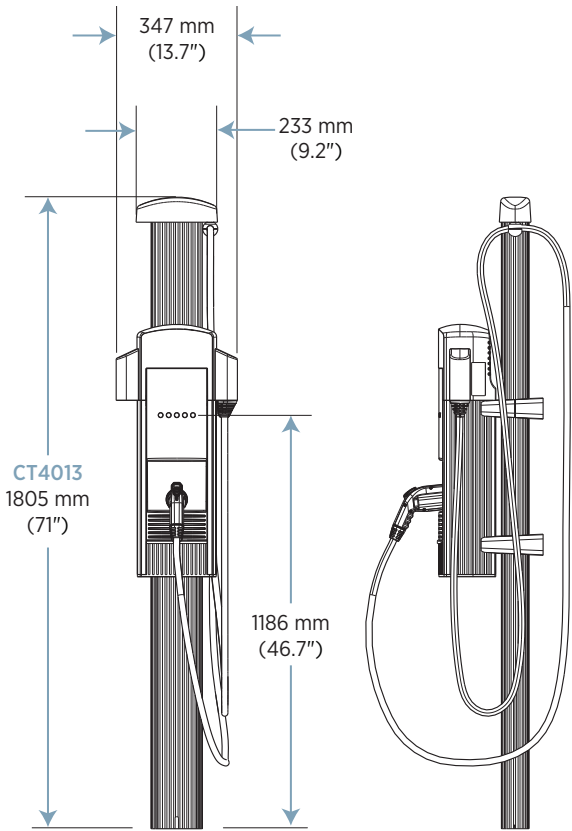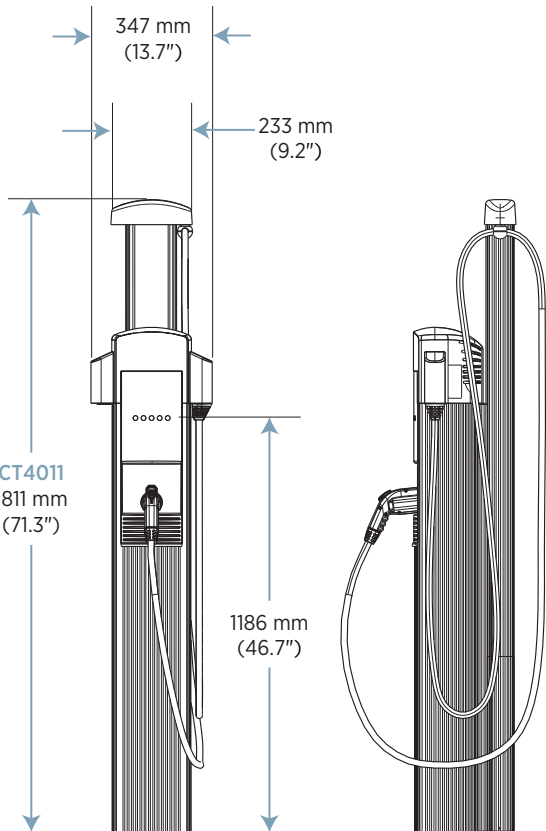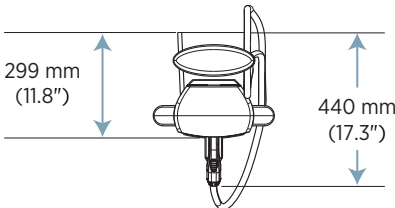| If ordering this	the order code is
Integrated technology and service bundle includes outdoor-rated, networked, CT4021 commercial charging station, concrete mounting kit, power share kit, activation, station configuration, plus 5-year subscriptions to network management services and station protection via Assure. CT4021 is a dual output, bollard unit — 208/240V with cable management.	CPC5-CT4021

SOFTWARE

WARRANTY

SERVICES

cULus LISTED
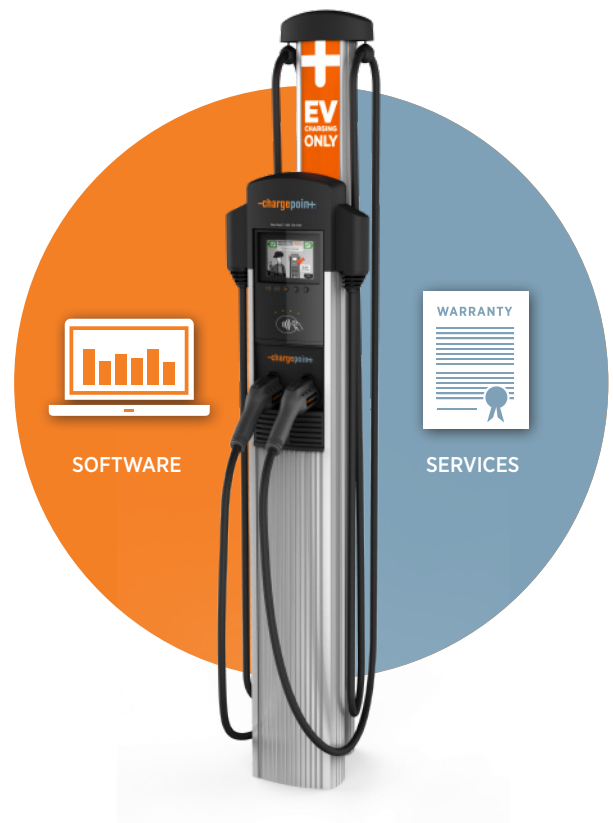
ENERGY STAR

The First
ENERGY STAR®
Certified EV Charger
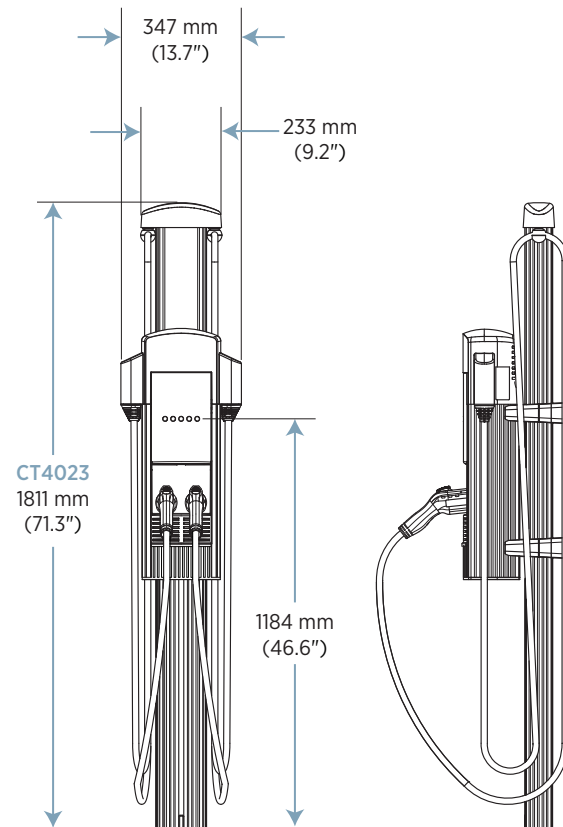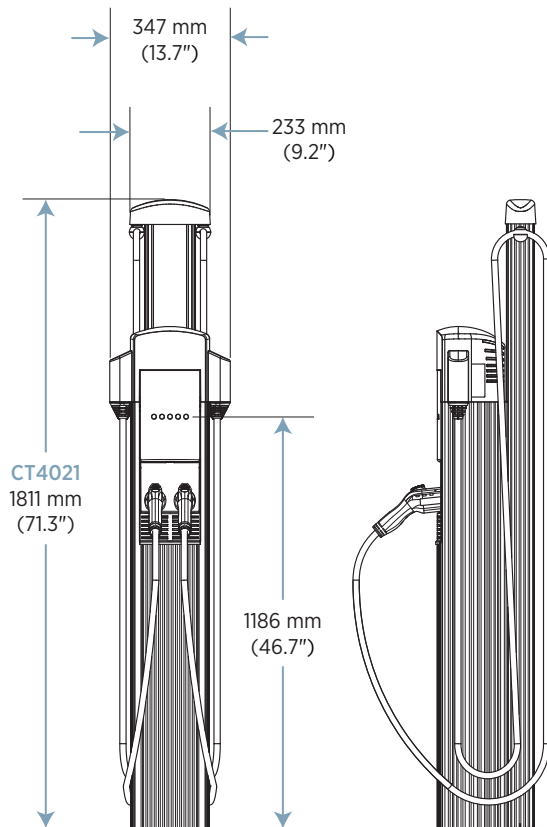
CT4011 1830 mm (6')
Single-Port Bollard

88 mm (3.5")

430 mm (16.9")

347 mm (13.7")

233 mm (9.2")

CT4011
1811 mm (71.3")

1186 mm (46.7")

CT4013 1830 mm (6')
Single-Port Wall Mount

299 mm (11.8")

440 mm (17.3")

347 mm (13.7")

233 mm (9.2")

CT4013
1805 mm (71")

1186 mm (46.7")

CT4021 1830 mm (6′)
Dual-Port Bollard

289 mm
(11.4″)

470 mm
(18.5″)

347 mm
(13.7″)

233 mm
(9.2″)

CT4021
1811 mm
(71.3″)

1186 mm
(46.7″)
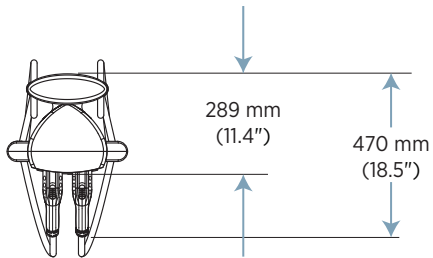
CT4023 1830 mm (6′)
Dual-Port Wall Mount

302 mm
(11.9″)

483 mm
(19.0″)

347 mm
(13.7″)

233 mm
(9.2″)

CT4023
1811 mm
(71.3″)

1184 mm
(46.6″)
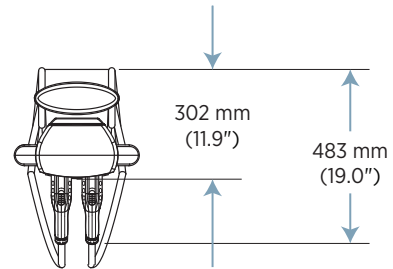
ChargePoint CT4000 Complete Family Specifications

Electrical Input

Electrical Input	Single Port (AC Voltage 208/240V AC)			Dual Port (AC Voltage 208/240V AC)		
	Input Current	Input Power Connection	Required Service Panel Breaker	Input Current	Input Power Connection	Required Service Panel Breaker
Standard	30A	One 40A branch circuit	40A dual pole (non-GFCI type)	30A x 2	Two independent 40A branch circuits	40A dual pole (non-GFCI type) x 2
Standard Power Share	n/a	n/a	n/a	32A	One 40A branch circuit	40A dual pole (non-GFCI type)
Power Select 24A	24A	One 30A branch circuit	30A dual pole (non-GFCI type)	24A x 2	Two independent 30A branch circuits	30A dual pole (non-GFCI type) x 2
Power Select 24A Power Share	n/a	n/a	n/a	24A	One 30A branch circuit	30A dual pole (non-GFCI type)
Power Select 16A	16A	One 20A branch circuit	20A dual pole (non-GFCI type)	16A x 2	Two independent 20A branch circuits	20A dual pole (non-GFCI type) x 2
Power Select 16A Power Share	n/a	n/a	n/a	16A	One 20A branch circuit	20A dual pole (non-GFCI type)
Service Panel GFCI	Do not provide external GFCI as it may conflict with internal GFCI (CCID)					
Wiring - Standard	3-wire (L1, L2, Earth)			5-wire (L1, L1, L2, L2, Earth)		
Wiring - Power Share	n/a			3-wire (L1, L2, Earth)		
Station Power	8 W typical (standby), 15 W maximum (operation)					

Electrical Output

	Single Port	Dual Port
Standard	7.2 kW (240V AC @ 30A)	7.2 kW (240V AC @ 30A) x 2
Standard Power Share	n/a	7.2 kW (240V AC @ 30A) x 1 **or** 3.8 kW (240V AC @ 16A) x 2
Power Select 24A	5.8 kW (240V AC @ 24A)	5.8 kW (240V AC @ 24A) x 2
Power Select 24A Power Share	n/a	5.8 kW (240V AC @ 24A) x 1 **or** 2.9 kW (240V AC @ 12A) x 2
Power Select 16A	3.8 kW (240V AC @ 16A)	3.8 kW (240V AC @ 16A) x 2
Power Select 24A Power Share	n/a	3.8 kW (240V AC @ 16A) x 1 **or** 1.9 kW (240V AC @ 8A) x 2

Functional Interfaces

	Single Port	Dual Port
Connector(s) Type	SAE J1772™	SAE J1772™ x 2
Cable Length - 1830 mm (6 ft) Cable Management	5.5 m (18 ft)	5.5 m (18 ft) x 2
Overhead Cable Management System	Yes	
LCD Display	145 mm (5.7 in) full color, 640 x 480, 30 fps full motion video, active matrix, UV protected	
Card Reader	ISO 15693, ISO 14443, NFC	
Locking Holster	Yes	Yes x 2

Safety and Connectivity Features

Ground Fault Detection	20 mA CCID with auto retry
Open Safety Ground Detection	Continuously monitors presence of safety (green wire) ground connection
Plug-Out Detection	Power terminated per SAE J1772™ specifications
Power Measurement Accuracy	+/- 2% from 2% to full scale (30A)
Power Report/Store Interval	15 minute, aligned to hour
Local Area Network	2.4 GHz WiFi (802.11 b/g/n)
Wide Area Network	LTE Category 4

Safety and Operational Ratings

Enclosure Rating	Type 3R per UL 50E
Safety Compliance	UL listed and cUL certified; complies with UL 2594, UL 2231-1, UL 2231-2, and NEC Article 625
Surge Protection	6 kV @ 3,000A. In geographic areas subject to frequent thunderstorms, supplemental surge protection at the service panel is recommended
EMC Compliance	FCC Part 15 Class A
Operating Temperature	-40°C to 50°C (-40°F to 122°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Non-Operating Temperature	-40°C to 60°C (-40°F to 140°F)
Operating Humidity	Up to 85% @ 50°C (122°F) non-condensing
Non-Operating Humidity	Up to 95% @ 50°C (122°F) non-condensing
Terminal Block Temperature Rating	105°C (221°F)
Network	All stations include integral LTE modem

Highlights

Feature	Description
Commercial Cloud Plan	Network services and software, including: unlimited station configuration and policy changes, waitlist feature, power management configuration, valet services, access control setup and more. Also includes ongoing station manager and driver support.
Activation and Station Configuration	Connection of station to charging network. ChargePoint works remotely with the station administrator on set-up and configuration including: pricing, access control, administration rights, advertisements and more.
Site Validation	On-site verification of electrical site work and station installation required for Assure Plan.
Assure Plan	Comprehensive protection plan providing 24/7 station monitoring and service dispatch. Includes parts and labor coverage for repairs (labor only for vandalism), 98% annual uptime guarantee, one business day response time and more.
Concrete Mounting Kit for Bollard stations	Kit to allow installation of a bollard mount station on to concrete. The same kit supports casting into new concrete or installing on existing concrete. Reference installation guide for detailed instructions.
Power Management Kit for Dual Port stations	Kit to allow both ports on a dual-port station to share a single two-pole 40A circuit breaker. Reference installation guide for wiring diagrams.
Station Manager and Driver Support	24/7 Driver Support: Assists EV drivers with questions about charging. Station Manager Support: Supports station managers over the phone (5 AM – 6 PM PT) or via email.

Contact Us

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Laboratories Inc.