



ChargePoint® Networked Charging Stations, by Coulomb Technologies, offer municipalities, corporations, fleets, and utilities, high-reliability, plug-in electric vehicle charging that drivers prefer. The easy-to-use stations provide multiple power options, integrating aesthetics and ergonomics with sturdy construction—ideal for residential, commercial and outdoor public applications.

The CT1000 family of charging stations provide 2 kW Level I (120 V @ 16 A) charging and are designed for public outdoor applications for the North American marketplace. Charging is delivered via a standard NEMA 5-20 receptacle protected behind a locking door.

To enhance safety and eliminate energy theft, drivers access the outlet by unlocking the door with a ChargePass™ Card or contactless credit card. The station's highly visible display guides drivers with instructive messages and can be used to display custom advertisement or greetings for drivers.

#### ChargePoint Network Enabled

Includes 24/7 driver assistance, station location, station availability, trip mapping, driver billing, and driver notification services. Compatible with remote management, billing, maintenance and other on-demand software applications.

#### Smart Card Reader

Integrated standards-based RFID reader that accepts ChargePass cards or contactless credit cards. Provides optional driver billing and custom access control, preventing electricity theft and enhancing safety.

#### Intelligent Power Control

Algorithms ensure power is delivered only when a driver is authorized and the EV cord is properly inserted.

#### Locking Door

Protects power insertion point and retains the EV charging cord to prevent theft during charging.

#### Vacuum Florescent Display with Multiple Language Support

Bright, easy-to-read display used for instructive, advertisement and greeting messages in multiple languages.

#### Integrated Fault Detection

- Ground Fault Detection: Integrated ground-fault detection circuitry with auto retry and driver notification.
- Over-Current Detection: Disconnects power to prevent nuisance breaker trips at service panel. Auto retry and driver notification.
- Plug-Out Detection: Algorithm disengages power and notifies the driver when a plug is removed.
- Charging Complete Detection: Algorithm detects completion of EV charge and notifies the driver.

#### Over-the-Air Station Upgrade

Upgrade station firmware remotely over-the-air to keep charging station current with future and evolving EV charging needs.

#### Utility Grade Energy Meter

Integrated power metering circuitry provides accurate bi-directional energy measurement.

#### Remote Diagnostics and Control

Real-time remote alarm monitoring and control minimizes the need for on-site maintenance.

#### Network Interface

Wireless mesh and cellular network interfaces allow seamless integration with back office business systems, utility Advanced Metering Infrastructures (AMIs), or home area networks.

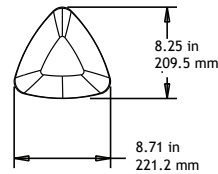
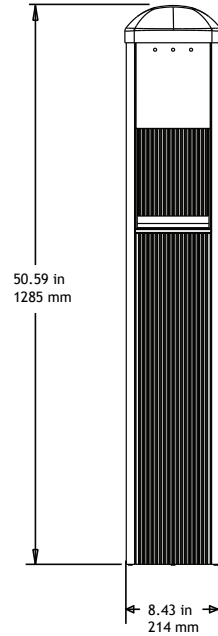
#### Smart Grid Compatible

Utility grade meter and smart-grid interfaces enable demand response and Time-Of-Use (TOU) pricing.

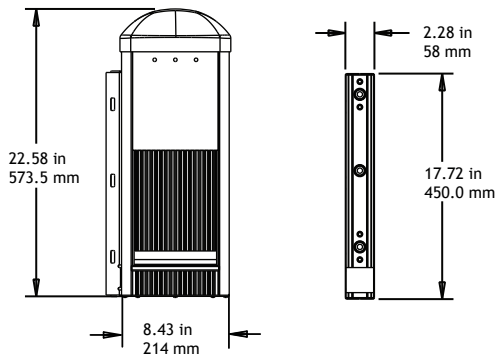
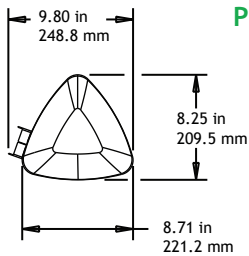


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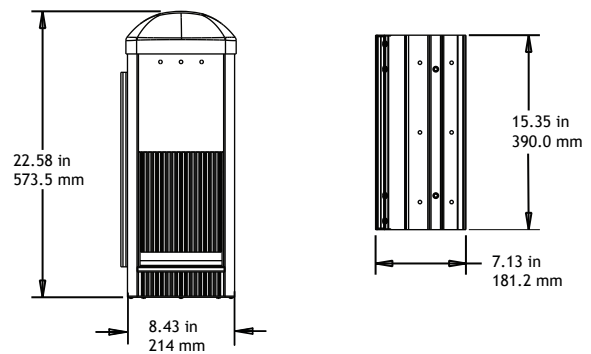
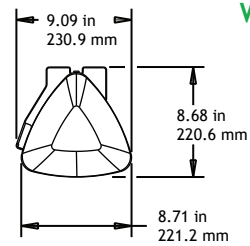
#### BOLLARD (CT1001)



#### POLE MOUNT (CT1002)



#### WALL MOUNT (CT1003)



#### Electrical Input

Input Power	2.0 kW
Input Voltage	120 VAC
Input Current	16 A
Input Power Connections	Line, Neutral, Earth
Required Service Panel Breaker	20 A single pole breaker (non-GFCI type) on dedicated circuit
Standby Power	5 W typical

#### Electrical Output

Output Charging Power	2.0 kW
Output Voltage	120 VAC
Output Current	16 A
Output Charging Connector	NEMA 5-20 receptacle

#### Functional Interfaces

Card Reader	ISO 15693, 14443
Ground Fault Detection	5 mA CCID with auto retry (15 minute delay, 3 tries)
Plug-Out Detection	Programmable arm and trip current thresholds
Power Measurement	2% @ 15 minute intervals
Local Area Network	2.4 GHz 802.15.4 dynamic mesh network
Wide Area Network	Commercial CDMA or GPRS cellular data network

#### Safety and Operational Ratings

Safety Compliance	UL Listed for USA and cUL certified for Canada; Complies with UL 2594, UL 2231-1, UL 2231-2, UL 1998, UL 991, NEC Article 625
Surge Protection	6 kV @ 3,000 A. In geographic areas subject to frequent thunderstorms, supplemental surge protection is recommended.
EMC Compliance	FCC Part 15 Class A
Operating Temperature	-22° F to 122° F (-30° C to +50° C)
Operating Humidity	95% non-condensing
Enclosure	NEMA 3R
Terminal Block Temperature Rating	212° F (100° C)
Maximum Charging Stations per 802.15.4 Radio Group	100. Each station must be within 150 feet "line of sight" of at least one other station.
Approximate Shipping Weights	Bollard (CT1001) 55 lbs (25 kg) Pole Mount (CT1002) 30 lbs (14 kg) Wall Mount (CT1003) 33 lbs (15 kg)

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### Ordering Information

Specify model number followed by the applicable code(s). The order code sequence is:

*Model-Modem-SIM-Warranty*

Option	Order Code
<i>Model</i>	
Bollard Mount	CT1001
Pole Mount	CT1002
Wall Mount	CT1003
<i>Modem</i>	
Integral CDMA ChargePoint Gateway Modem	-CDMA
Integral GPRS ChargePoint Gateway Modem	-GPRS
<i>SIM</i>	
USA GPRS SIM	-SIM1
Canada GPRS SIM	-SIM2
<i>Warranty</i>	
5 Year Parts Only Extended Warranty	-EW5
5 Year Parts Only Extended Warranty - Gateway	-EW5GW

### Order Code Examples

If ordering this	The order code would be
Pole Mount	CT1002
Bollard Mount with CDMA Gateway	CT1001-CDMA
Bollard Mount with GPRS Gateway and USA GPRS SIM	CT1001-GPRS-SIM1
Wall Mount with USA GPRS Gateway and 5 year extended parts warranty	CT1003-GPRS-SIM1-EW5GW

**For pricing and additional product information, contact the distributor in your area. For a complete list of distributors, go to [www.coulombtech.com](http://www.coulombtech.com) and click Purchase.**

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