



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 CT1500 family of charging stations provide 3.7kW (230V @ 16 A) charging and are designed for public outdoor applications for the European marketplace. Charging is delivered via a standard Continental (CEE7), UK (BS1363), or Australian (AS3112) 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 many 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.

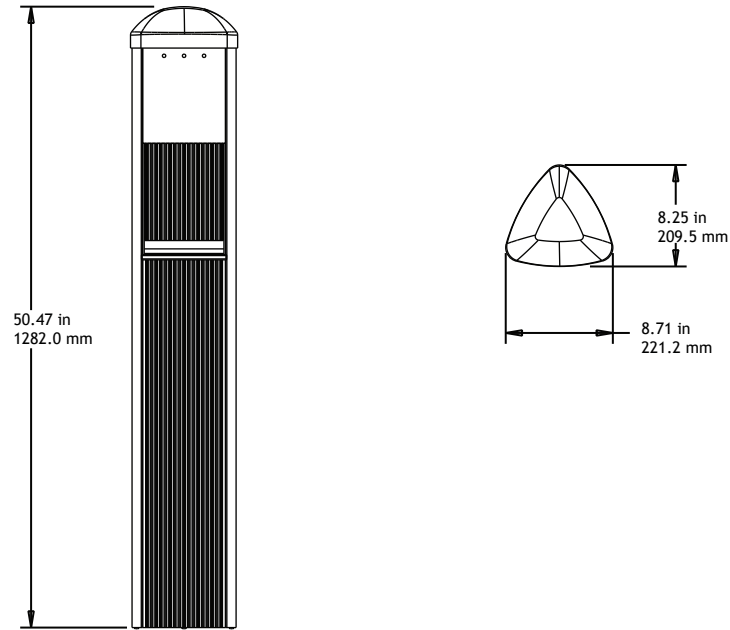
#### Smart Grid Compatible

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

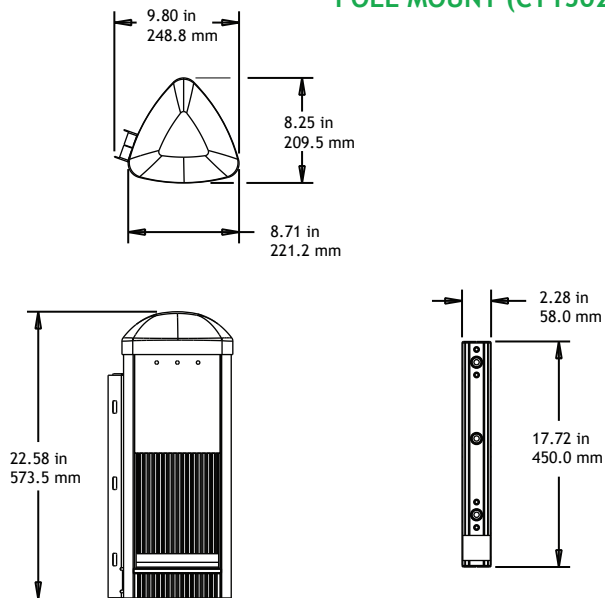


Coulomb Technologies, Inc.  
1692 Dell Ave.  
Campbell, CA 95008-6901 USA  
US toll free: +1-877-370-3802  
www.coulombtech.com  
www.mychargepoint.net

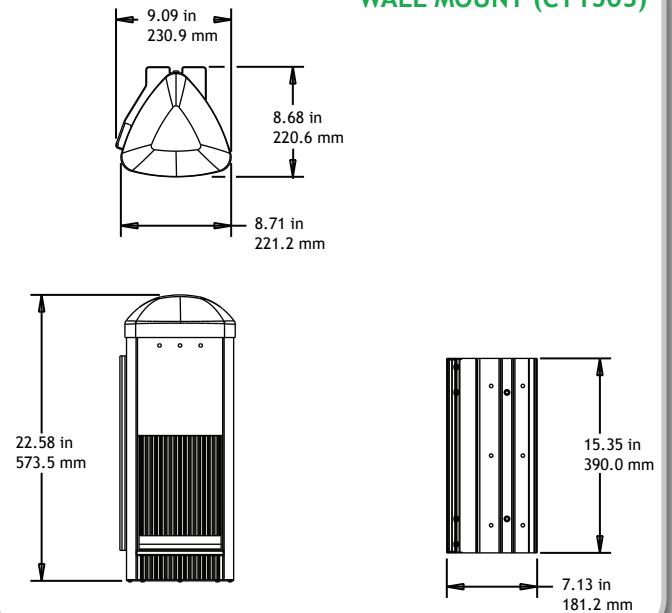
#### BOLLARD (CT1501)



#### POLE MOUNT (CT1502)



#### WALL MOUNT (CT1503)



#### Electrical Input

Input Power	3.7 kW
Input Voltage	230 VAC
Input Current	16 A
Input Power Connections	Line, Neutral, Earth
Recommended Service Panel Breaker	16 A breaker on dedicated circuit
Recommended Service Panel RCD	30 mA
Standby Power	5 W typical

#### Electrical Output

Output Charging Power	3.7 kW
Output Voltage	230 VAC
Output Current	16 A
Output Charging Connector	Continental (CEE7), UK (BS1363), or Australian (AS3112)

#### Functional Interfaces

Card Reader	ISO 15693, 14443
Ground Fault Detection	20 mA CCID with auto retry (15 minute delay, 3 tries)
Plug-Out Detection	Programmable arm and trip current thresholds
Power Measurement	2% @ 5 minute intervals; IEC Class 1 capable (special order)
Local Area Network	2.4 GHz 802.15.4 dynamic mesh network
Wide Area Network	Commercial GPRS cellular data network

#### Safety and Operational Ratings

Safety Compliance	IEC 61851-1, -21, -22; IEC 60950-1, -22; IEC 60529
Surge Protection	6 kV @ 3,000 A per IEC 1000-4-5. In geographic areas subject to frequent thunderstorms, supplemental surge protection is recommended.
EMC Compliance	EN55022 Class B
EMC Immunity	IEC1000-4-1, IEC1000-4-2, IEC1000-3, ENV50024
Operating Temperature	-30°C to +55°C (-22°F to 131°F)
Operating Humidity	95% non-condensing
Enclosure	IP44
Terminal Block Temperature Rating	100°C (212°F)
Maximum Charging Stations per 802.15.4 Radio Group	100. Each station must be within 150 feet of at least one other station.
Approximate Shipping Weights	Bollard (CT1501) 25 kg (55 lbs) Pole Mount (CT1502) 14 kg (30 lbs) Wall Mount (CT1503) 15 kg (33 lbs)

Coulomb Technologies, Inc. reserves the right to alter product offerings and specifications at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document.

**BOLLARD (CT1501)**



**POLE MOUNT (CT1502)**



**WALL MOUNT (CT1503)**



### Ordering Information

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

*Model-Color-Modem-Socket-Breaker-Card Reader-Other-Warranty*

Option	Order Code
<i>Model</i>	
Bollard Mount	CT1501
Pole Mount	CT1502
Wall Mount	CT1503
<i>Color</i>	
Mocha	-M
<i>Modem</i>	
Integral GPRS ChargePoint Gateway Modem	-GPRS
<i>Socket</i>	
Continental (CEE7)	-S1
UK (BS1363)	-S2
Australian (AS3112)	-S3
<i>Breaker</i>	
Integral 16 A Safety Breaker with RCD (CT1501 only)	-BRK
<i>Card Reader</i>	
Contactless Credit Card Reader	-CCR
<i>Other</i>	
Left Side Pole Mount (CT1502 only)	-LEFT
<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
Silver Bollard with Continental Socket	CT1501-S1
Mocha Wall Mount with GPRS Modem and UK Socket	CT1503-M-GPRS-S2
Silver Bollard with GPRS Modem, Continental Socket, Integral Breaker, and 5 Year Warranty	CT1501-GPRS-S1-BRK-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.**