

EV Charging Station Requirements



Location:

- Equipment Shall Not Obstruct or Interfere with View of Traffic in Area**
- Equipment Shall Not Impede Pedestrian, Bicycle, or Vehicular Traffic**
- Shall Be Installed Outside of Required Parking Space Dimensions and Circulation Aisles**
- Shall Not Be Located Within Commercial Parking Garages (*Exceptions for top-most open-air levels*)**

Protection - Physical:

- Charging Stations & Equipment Shall Be Protected From Vehicular Impact via Bollards, Curbing, Wheel Stops, or Other Like Mechanisms of Protection**
- Outlets/Connection Devices Shall Be Between 36" and 48" Above the Ground/Pavement Surface Where Mounted and Retracted/Held in Place a Safe Distance Above the Ground or Pavement Surface (*Shall Not Be Allowed to Become A Tripping Hazard When Not In Use*)**
- Sufficient Lighting Shall be Provided at the Charging Site**

Protection - Design:

- Electrical Vehicle Charging Stations Shall be Listed and Labeled in Accordance With UL 2202, Standard for Electric Vehicle (EV) Charging System Equipment**
- Electrical Vehicle Charging System Equipment Shall be Listed and Labeled in Accordance With UL 2594, Standard for Electric Vehicle Supply Equipment**
- Systems Shall be Designed with the Inclusion of Emergency Shut-Offs - *Both Manual and Automatic***

Data Collection:

- The Following Maintenance & Notification Information Shall be Made Available to the Local Building Department**
 - Charging Station's Geographic Location**
 - Date of Installation**
 - Equipment Type & Model**
 - Owner Contact Information**
 - Location of Emergency Shut Off Switches**

EV Charging Station Requirements (cont.)



Emergency Shut Offs:

Automatic Emergency Shut Off

- Shall be Designed to Immediately Close/Stop the Flow of Current In the Event of a Fire or Vehicle Impact
- Shall be Properly Installed In the Base of Each Vehicle Charging Pedestal
- Shall Immediately Cut Power to the Impacted EV Charging Station(s) When Activated
- Shall Provide Both an Audible and Visual Indicator at the Pedestal Upon Activation

Manual Emergency Shut Off

- Shall Be Clearly Visible and Accessible
- Shall Be Labeled Such That It Is Clear to Which EV Charging Station it Applies
- Shall Immediately Cut Power to the EV Charging Station When Activated
- Shall Be Located Between 10' and 100' Away From the EV Charging Station and Vehicle Being Charged
- Shall Be In Direct Line-of-Sight of the Affected EV Charging Station
- Shall Have the Ability to Be "Locked-Out/Tagged-Out" After an Emergency Use Such That Power Cannot Be Inadvertently Restored Without Proper Maintenance/Service



Both Manual & Automatic Emergency Shut Offs Shall Only Be Resettable By Manul Means Upon Proper Maintenance/Service

Signage:

Public Electric Vehicle Charging Stations Shall Be Posted with Signage Indicating at Minimum

- Reserved for Electric Vehicle Charging Purposes Only
- Phone # & Contact Information to Which to Report When the Equipment is NOT Functioning Properly
- Location of the Emergency Shut Off Switch(es)
- Information Identifying Voltage, Amperage Levels, Usage Fees, and Any Other Safety Information
- Time Limits on Use, Tow Away, and Fine Provisions

