



**TOWN OF NEWBURGH
PLANNING BOARD
TECHNICAL REVIEW COMMENTS**

PROJECT NAME: SUNSHINE FORD EV CHARGING STATION
PROJECT NO.: 23-18
PROJECT LOCATION: SECTION 99, BLOCK 47, LOT 23.22/
REVIEW DATE: 30 AUGUST 2023
MEETING DATE: 7 SEPTEMBER 2023
PROJECT REPRESENTATIVE: CHARGE SMART EV/BRIDGET OCONNER

1. The applicant proposes to install 11 vehicle charging stations- outlets at the existing car dealership.
2. The Planning Board should determine if the Site Plan has sufficient information for the application. No property lines, DOT right-of-way, boundaries, etc. are depicted on the aerial photo submission.
3. Submission to County Planning is required for Amended Site Plan. The Planning Board should determine if any landscaping should be provided for the charging stations and the transformer pad proposed.

Respectfully submitted,

MHE Engineering, D.P.C.

A handwritten signature in blue ink that reads 'Patrick J. Hines'.

Patrick J. Hines
Principal
PJH/kbw

NEW YORK OFFICE

33 Airport Center Drive, Suite 202, New Windsor, NY 12553
845-567-3100 | F: 845-567-3232 | mheny@mhepc.com

PENNSYLVANIA OFFICE

111 Wheatfield Drive, Suite 1, Milford, PA 18337
570-296-2765 | F: 570-296-2767 | mhepa@mhepc.com

TOWN OF NEWBURGH PLANNING BOARD

APPLICATION PACKAGE

for

SUBDIVISIONS,

SITE PLANS,

LOT LINE CHANGES

And

SPECIAL EXCEPTION USE PERMITS

Procedures and Requirements

July 2013

**TOWN OF NEWBURGH PLANNING BOARD
308 GARDNERTOWN ROAD
NEWBURGH, NEW YORK 12550
(845) 564-7804
fax: (845) 564-7802
planningboard@hvc.rr.com**

JULY 2013

TO WHOM IT MAY CONCERN:

This package of information and forms is provided to assist the applicant in the preparation of a submission of a site plan, subdivision, lot line change or special exception use permit to the Town of Newburgh Planning Board. In most cases the application will be prepared initially by a licensed professional engineer, architect, surveyor or land planner. Since in almost every case such professional will be required for the process, they should be retained as early as possible.

Procedurally, the applicant should contact the Planning Board to discuss the potential project and obtain the necessary forms and regulations.

The Zoning and Subdivision Regulations of the Town of Newburgh require that the applicant must present plans to the Secretary of the Planning Board. When your application is complete, it will be placed on the next **AVAILABLE** agenda. Submittals must be handed in to the Planning Board Secretary at least 10 days prior to the next meeting, but the date of the appearance at a meeting will be determined by the next available time slot, not necessarily the next meeting. You will be notified of the date, time and place of your meeting.

A minimum of **FOURTEEN (14)** sets of **FOLDED PLANS** for a major or minor subdivision or a site plan must be submitted with a **COMPLETED** application, and **FIFTEEN (15)** sets of plans must be submitted if plans need to be submitted to the Town of Newburgh Traffic Consultant. This completed application must include a **LONG FORM OR FULL EAF** for every project except lot line changes, 2 lot subdivisions under 3 acres or site plans impacting less than one acre, along with a **NARRATIVE** of the proposed project. The narrative should include the action being taken, the size of the parcel, what zone the parcel is in, the water and sewer information, any Zoning Board of Appeals relief needed, and whether the parcel is on a private or town road. Complex or unusual projects should be discussed in greater detail.

Following the first meeting before the Planning Board the applicant is required to send an Adjoiner Notice to property owners within 500 feet of the parcels in question (please see final page of the package for full instructions).

Upon initial review of a Short Form, the Planning Board may require specific additional environmental information or the preparation of a Long Form. Long Form part 1 should be completed by the applicant. The Board will review and may modify Part 2 prior to making a decision on the SEQRA aspect of the project.

All fees for consulting and professional services that the Planning Board incurs during the review of the applications will be the responsibility of the applicant. An advance deposit for these fees will be required and will be placed in an escrow account with the Town. If the escrow account falls below the 40% of the initial deposit, the applicant will be required to immediately make an additional deposit to the escrow account prior to any further review of the project application by the Planning Board.

Very truly yours,

JOHN P. EWASUTYN, Chairman
Town of Newburgh Planning Board

**TOWN OF NEWBURGH
APPLICATION FOR
SUBDIVISION/SITE PLAN REVIEW**

**RETURN TO: Town of Newburgh Planning Board
308 Gardnertown Road
Newburgh, New York 12550**

DATE RECEIVED: _____ **TOWN FILE NO:** _____
(Application fee returnable with this application)

1. Title of Subdivision/Site Plan (Project name):
Sunshine Ford-EV Charging

2. Owner of Lands to be reviewed:

Name 40 Route 17k LLC
Address 40 NY-17K Newburgh, NY 12550
Phone 845-565-5800

3. Applicant Information (If different than owner):

Name ChargeSmartEV
Address 5 Southside Drive Suite 11-184
Clifton Park, NY 12065
Representative Bridget O'Connor Director of Deployment
Phone 607-220-6014
Fax
Email bridget@chargesmartev.com

4. Subdivision/Site Plan prepared by:

Name ChargeSmartEV
Address 5 Southside Drive Suite 11-184
Clifton Park, NY 12065
Phone/Fax 607-220-6014

5. Location of lands to be reviewed:

40 NY-17K Newburgh, NY 12550

6. Zone Commercial **Fire District** Newburgh
Acreage _____ **School District** Newburgh

7. Tax Map: Section 99 **Block** -47 **Lot** 23.22

8. Project Description and Purpose of Review:

Number of existing lots _____ Number of proposed lots _____

Lot line change _____

Site plan review Installation of EV charging stations at this Ford Dealership

Clearing and grading _____

Other _____

PROVIDE A WRITTEN SINGLE PAGE DESCRIPTION OR NARRATIVE OF THE PROJECT

9. Easements or other restrictions on property:

(Describe generally) _____

10. The undersigned hereby requests approval by the Planning Board of the above identified application and scheduling for an appearance on an agenda:

Signature Bridget O'Connor Title Director of Deployment

Date: 8/2/2023

NOTE: If property abuts and has its access to a County or State Highway or road, the following information must be placed on the subdivision map or site plan: entrance location, entrance profile, sizing of pipe (minimum length of pipe to be 24 feet).

The applicant will also be required to submit an additional set of plans, narrative letter and EAF if referral to the Orange County Planning Department is required under General Municipal Law Section 239.

TOWN OF NEWBURGH PLANNING BOARD

Sunshine Ford-EV Charging

PROJECT NAME

CHECKLIST FOR MAJOR/MINOR SUBDIVISION AND/OR SITE PLAN

I. The following items shall be submitted with a COMPLETED Planning Board Application Form.

1. ___ Environmental Assessment Form As Required
2. ___ Proxy Statement
3. ___ Application Fees
4. ___ Completed Checklist (Automatic rejection of application without checklist)

II. The following checklist items shall be incorporated on the Subdivision Plat or Site Plan prior to consideration of being placed on the Planning Board Agenda. Non-submittal of the checklist will result in application rejection.

1. ___ Name and address of applicant
2. ___ Name and address of owner (if different from applicant)
3. ___ Subdivision or Site Plan and Location
4. ___ Tax Map Data (Section-Block-Lot)
5. ___ Location map at a scale of 1" = 2,000 ft. or less on a tax map or USCGS map base only with property outlined
6. ___ Zoning table showing what is required in the particular zone and what applicant is proposing. A table is to be provided for each proposed lot
7. ___ Show zoning boundary if any portion of proposed site is within or adjacent to a different zone
8. ___ Date of plan preparation and/or plan revisions
9. ___ Scale the plan is drawn to (Max 1" = 100')
10. ___ North Arrow pointing generally up

- 11.____ **Surveyor,s Certification**
- 12.____ **Surveyor’s seal and signature**
- 13.____ **Name of adjoining owners**
- 14.____ **Wetlands and 100 ft. buffer zone with an appropriate note regarding D.E.C. or A.C.O.E. requirements**
- 15.____ **Flood plain boundaries**
- 16.____ **Certified sewerage system design and placement by a Licensed Professional Engineer must be shown on plans in accordance with Local Law #1 1989**
- 17.____ **Metes and bounds of all lots**
- 18.____ **Name and width of adjacent streets; the road boundary is to be a minimum of 25 ft. from the physical center line of the street**
- 19.____ **Show existing or proposed easements (note restrictions)**
- 20.____ **Right-of-way width and Rights of Access and Utility Placement**
- 21.____ **Road profile and typical section (minimum traveled surface, excluding shoulders, is to be 18 ft. wide)**
- 22.____ **Lot area (in sq. ft. for each lot less than 2 acres)**
- 23.____ **Number of lots including residual lot**
- 24.____ **Show any existing waterways**
- 25.____ **A note stating a road maintenance agreement is to be filed in the County Clerk’s Office where applicable**
- 26.____ **Applicable note pertaining to owners review and concurrence with plat together with owner’s signature**
- 27.____ **Show any improvements, i.e. drainage systems, water lines, sewer lines, etc.**
- 28.____ **Show all existing houses, accessory structures, wells and septic systems on and within 200 ft. of the parcel to be subdivided**
- 29.____ **Show topographical data with 2 or 5 ft. contours on initial submission**

- 30.____ **Indicate any reference to a previous subdivision, i.e. filed map number, date and previous lot number**

- 31.____ **If a private road, Town Board approval of name is required, and notes on the plan that no town services will be provided and a street sign (per town specs) is to be furnished and installed**

- 32.____ **Number of acres to be cleared or timber harvested**

- 33.____ **Estimated or known cubic yards of material to be excavated and removed from the site**

- 34.____ **Estimated or known cubic yards of fill required**

- 35.____ **The amount of grading expected or known to be required to bring the site to readiness**

- 36.____ **Type and amount of site preparation which falls within the 100 ft. buffer strip of wetlands or within the Critical Environmental Area. Please explain in sq. ft. or cubic yards.**

- 37.____ **Any amount of site preparation within a 100 year floodplain or any water course on the site. Please explain in sq. ft. or cubic yards.**

- 38.____ **List of property owners within 500 feet of all parcels to be developed (see attached statement).**

The plan for the proposed subdivision or site has been prepared in accordance with this checklist.

By: _____
Licensed Professional

Date: _____

This list is designed to be a guide ONLY. The Town of Newburgh Planning Board may require additional notes or revisions prior to granting approval.

Prepared (insert date):

STATEMENT TO APPLICANTS

RE: TOWN OF NEWBURGH CLEARING AND GRADING LAW

The Town of Newburgh Clearing and Grading Control Law requires a separate permit for most site preparation activities, including clearing, grading, tree cutting, excavating and filling. Site preparation activities performed following site plan or subdivision approval by the Planning Board may be exempt from the permit application, public hearing, fee and bonding requirements of the law provided the subdivision or site plan application has been reviewed for conformance with the clearing and grading law and the approval conditioned on compliance with the standards set forth in the law. Completion of the attached form will enable the Planning Board to review your application for conformance with the law's requirements. In the event it is not completed you may be required to apply for a separated permit for your site preparation activities. A sediment and erosion control plan and a plan showing the areas to be cleared, filled, graded or subjected to tree cutting, the types of vegetation affected and the proposed disposition of the destroyed vegetation must accompany the form. A SEQRA long form or full EAF should be utilized to discuss any environmental impacts and must accompany the application.

**TOWN OF NEWBURGH
APPLICATION FOR CLEARING AND GRADING**

Name of applicant: _____

Name of owner on premises: _____

Address of owner: _____

Telephone number of owner: _____

Telephone number of applicant: _____

State whether applicant is owner, lessee, agent, architect, engineer or contractor:

Location of land on which proposed work will be done: _____

Section: _____ **Block:** _____ **Lot:** _____ **Sub. Div.:** _____

Zoning District of Property: _____ **Size of Lot:** _____

Area of lot to be cleared or graded: _____

Proposed completion of date: _____

Name of contractor/agent, if different than owner: _____

Address: _____

Telephone number: _____

Date of Planning Board Approval: _____ (if required)

I hereby agree to hold the Town of Newburgh harmless from any claims arising from the proposed activity.

Signature of owner: _____ **Date:** _____

Signature of applicant (if different than owner): _____

TOWN ACTION:

Examined: _____ **20** _____

Approved: _____ **20** _____

Disapproved: _____ **20** _____

FEE LAW SUMMARY

PENDING APPLICATIONS

All applicants with matters pending before the Planning Board as of the effective date of this local law shall be required to post as escrow in the manner and upon the terms and conditions set forth below:

- (a) The Planning Board, in consultation with the applicant, shall compute the amount of the escrow to be posted with the Town. Such amount shall be reasonably related to the costs attendant to the Town's review of the application as of the effective date of this local law. Under no circumstances shall the escrow include amounts attributable to any costs incurred by the Town prior to the effective date of this local law.
- (b) Once computed and established by Resolution of the Planning Board, the applicant shall, within fifteen (15) days of said resolution, post escrow fees with the Secretary of the Planning Board. Failure to deliver the said escrow fees may result in delay of the further processing of the application.

SEVERABILITY

In the event a court of law determined that any provision of this chapter is unenforceable, then only that provision shall be affected and all other provisions shall be fully enforceable.

EFFECTIVE DATE:

This local law shall take effect immediately upon filing in the Office of the Secretary of State.

FEE ACKNOWLEDGEMENT

The town of Newburgh Municipal Code sets forth the schedule of fees for applications to the Planning Board. The signing of this application indicates your acknowledgement of responsibility for payment of these fees to the Planning Board for review of this application, including, but not limited to escrow fees for professional services (planner/consultant, engineering, legal), public hearing and site inspection. Applicant's submissions and resubmissions are not complete and will not be considered by the planning board or placed upon its agenda unless all outstanding fees have been paid. Fees incurred after the stamping of plans will remain the responsibility of the applicant prior to approval of a building permit or certificate of occupancy. Fee schedules are available from the Planning Board Secretary and are on the Town's website.

Bridget O'Connor-ChargeSmartEV

APPLICANT'S NAME (printed)

Bridget O'Connor

APPLICANTS SIGNATURE

08-3-2023

DATE

Note: if the property abuts and has access to a County or State Highway or road, the following information must be place on the subdivision map: entrance location, entrance profile, sizing of drainage pipe (minimum length of pipe to be twenty-four (24) feet).

PROXY

(OWNER) Rick Colandrea, **DEPOSES AND SAYS THAT HE/SHE**

RESIDES AT 40 NY-17K Newburgh, NY 12550

IN THE COUNTY OF Newburgh

AND STATE OF NY

AND THAT HE/SHE IS THE OWNER IN FEE OF _____

Sunshine Ford- 40 NY-17k Newurgh, NY 12550

WHICH IS THE PREMISES DESCRIBED IN THE FOREGOING

APPLICATION AS DESCRIBED THEREIN TO THE TOWN OF NEWBURGH

PLANNING BOARD AND ChargeSmartEV **IS AUTHORIZED**

TO REPRESENT THEM AT MEETINGS OF SAID BOARD.

DATE 8/3/2023

DocuSigned by:
Rick Colandrea
20382FDE33234AD...
OWNERS SIGNATURE

Cosmo, Joe and Rick
Colandrea _____

Rick Colandrea
OWNERS NAME (printed)

NAMES OF ADDITIONAL REPRESENTATIVES

DocuSigned by:
Rick Colandrea
20382FDE33234AD...
WITNESS' SIGNATURE

Rick Colandrea
WITNESS' NAME (printed)

**PLANNING BOARD DISCLAIMER STATEMENT
TO APPLICANTS**

The applicant is advised that the Town of Newburgh Municipal Code, which contains the Town's Zoning Law, is subject to amendment. Submission of an application to this Board does not grant the applicant any right to continued review under the Code's current standards and requirements. It is possible that the applicant will be required to meet changed standards or new Code requirements made while the application is pending.

An approval by this Board does not constitute permission, nor grant any right to connect to or use municipal services such as sewer, water or roads. It is the applicant's responsibility to apply for and obtain the Town of Newburgh and other agency approvals not within this Board's authority to grant.

The applicant hereby acknowledges, consents, and agrees to the above.

8/3/2023

DATED

Bridget O'Connor-ChargeSmartEV

APPLICANT'S NAME (printed)

Bridget O'Connor

APPLICANT'S SIGNATURE

**DISCLOSURE ADDENDUM STATEMENT TO APPLICATION,
PETITION AND REQUEST**

Mindful of the provisions of Section 809 of the General Municipal Law of the State of New York, and of the Penal provisions thereof as well, the undersigned applicant states that no State Officer, Officer or Employee of the Town of Newburgh, or Orange County, has any interest, financial or otherwise, in this application or with, or in the applicant as defined in said Statute, except the following person or persons who is or are represented to have only the following type of interest, in the nature and to the extent hereinafter indicated:

X _____ **NONE**

_____ **NAME, ADDRESS, RELATIONSHIP OR INTEREST**
(financial or otherwise)

This disclosure addendum statement is annexed to and made a part of the petition, application and request made by the undersigned applicant to the following Board or Officer of the Town of Newburgh.

- _____ **TOWN BOARD**
- _____ **PLANNING BOARD**
- _____ **ZONING BOARD OF APPEALS**
- _____ **ZONING ENFORCEMENT OFFICER**
- _____ **BUILDING INSPECTOR**
- _____ **OTHER**

8/3/2023

DATED

ChargeSmartEV

INDIVIDUAL APPLICANT

CORPORATE OR PARTNERSHIP APPLICANT

BY: _____
(Pres.) (Partner) (Vice-Pres.)
(Sec.) (Treas.)

AGRICULTURAL NOTE

(Required to be placed on all plans where property lies within 500 feet of land in active agricultural production or operation)

Property adjacent to lots (1) is in active agricultural operation and production and residents must be aware that such property is protected by New York State “Right to Farm Laws” as regulated by the Department of Agriculture and Markets. From time to time during and prior to the normal growing season land and crops may be sprayed from the ground or by air, manure may be applied, and periodic noise may occur from machinery operation at various times throughout the day. Residents should be aware of this action by the adjacent property owners.

(1) Specific lots adjacent to the active farming area which are impacted shall be inserted in this space.

AGRICULTURAL DATA STATEMENT

(Required pursuant to Agricultural and Markets Law §305-a for applications for site plan approvals, use variances and subdivision approvals that will occur on property within a County Agricultural District containing an active farm operation or on property with boundaries within five hundred feet of an active farm operation located in a County Agricultural District)

Name and address of the applicant: _____

Description of the proposed project: _____

Location of the proposed project: _____

Name(s) and address(es) of any owner(s) of land within a County Agricultural District containing active farming operations and located within five hundred feet of the boundary of the project property: _____

A tax map or other map showing the site of the proposed project relative to the location of the identified farm operations must be attached to this form.

APPLICANT'S SIGNATURE

DATE

ARCHITECTURAL REVIEW

The Town of Newburgh Planning Board had been authorized to act as the Architectural Review Board for all: site plans, projects involving ten or more dwelling units, and any construction that would affect the character of a neighborhood under Section §185-59 of the Town Code (Zoning Law).

In order to perform this task, at some point prior to final approval, the applicant shall provide the Planning Board with elevations of buildings for all sides and a written (separately or on drawings) description of the materials, colors and textures to be used in construction. Plans shall also include topographical information and any screening of portions of the buildings, either existing or proposed.

Samples of the material and colors to be used shall either be submitted to the Planning Board or brought to the meeting at which architectural review will be discussed.

ARCHITECTURAL REVIEW FORM
TOWN OF NEWBURGH PLANNING BOARD

DATE: _____

NAME OF PROJECT: _____

The applicant is to submit in writing the following items prior to signing of the site plans.

EXTERIOR FINISH (skin of the building):

Type (steel, wood, block, split block, etc.)

COLOR OF THE EXTERIOR OF BUILDING:

ACCENT TRIM:

Location: _____

Color: _____

Type (material): _____

PARAPET (all roof top mechanicals are to be screened on all four sides):

ROOF:

Type (gabled, flat, etc.): _____

Material (shingles, metal, tar & sand, etc.): _____

Color: _____

WINDOWS/SHUTTERS:

Color (also trim if different): _____

Type: _____

DOORS:

Color: _____

Type (if different than standard door entrée): _____

SIGN:

Color: _____

Material: _____

Square footage of signage of site: _____

Please print name and title (owner, agent, builder, superintendent of job, etc.)

Signature

LIST OF ADJACENT PROPERTY OWNERS

Within ten business days following the applicant's first appearance before the Planning Board, the applicant shall forward a letter prepared by the Planning Board or an authorized agent of the Planning Board to all property owners within 500 feet of the land involved in the application, as the names of such owners appear on the last completed assessment roll of the Town, notifying the property owners of the receipt of the plat and application, by first class mail. **The list of property owners shall be provided to the applicant from the Planning Board, through the Town Assessor's office.** The applicant shall thereafter submit a duly executed, notarized affidavit of mailing to the Planning Board. Further appearances before the Planning Board shall be prohibited until an affidavit meeting the requirements has been delivered. In the event a modification to an application proposes an increase in the number of lots or the relocation of a proposed road or drainage basin to a location adjacent to an adjoining property, then a supplementary letter shall be required to be forwarded in the same manner advising of the modification.



ChargeSmart EV

August 7, 2023

Attn: Building Department

Town of Newburgh

21 Hudson Valley Professional Plaza

Newburgh, NY 12550

Re: Sunshine Ford- Electric Vehicle Charging Stations

Project # 2023-18

To Whom It May Concern;

ChargeSmartEV is proposing a project to install Electric Vehicle Charging Stations at Sunshine Ford, in the Town of Newburgh. The scope of work is attached and will include installation of a mix of 180kW, 120kW, 19.2kW chargers and NEMA outlets. We have attached the following documents in support of this project.

- Long Building Permit Application & Application Package
- Proposal/Scope of Work
- Preliminary Site Plan
- Environmental Assessment Form
- Electronic Copies of Stamped Electrical Plans
- Charger Specification Sheets

Please confirm receipt of the documents and contact me with instructions on how to proceed.

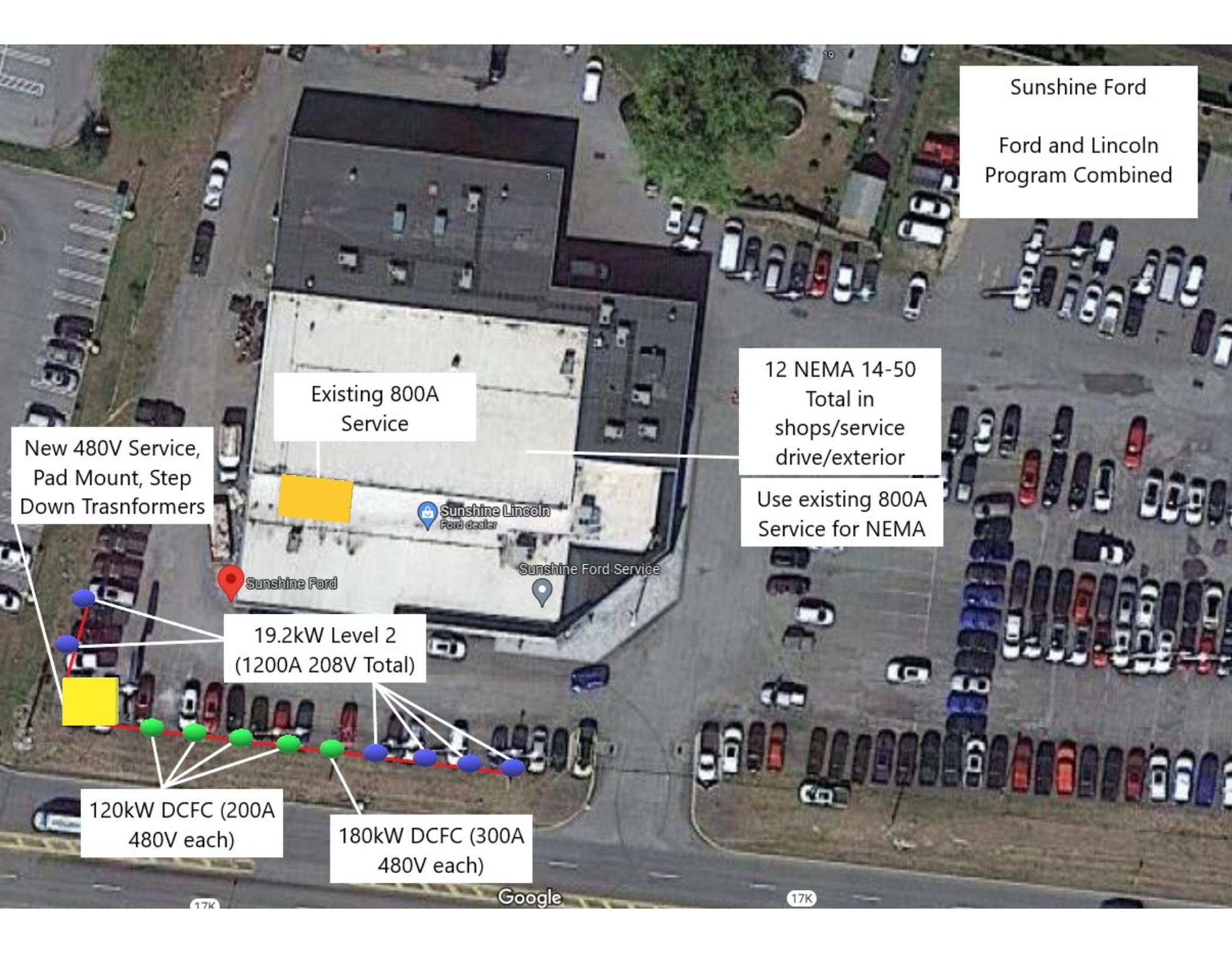
Regards,

Bridget O'Connor

Director of Deployment

607.220.6014

bridget@chargesmartev.com



Sunshine Ford
Ford and Lincoln
Program Combined

Existing 800A
Service

12 NEMA 14-50
Total in
shops/service
drive/exterior

Use existing 800A
Service for NEMA

New 480V Service,
Pad Mount, Step
Down Transformers

19.2kW Level 2
(1200A 208V Total)

120kW DCFC (200A
480V each)

180kW DCFC (300A
480V each)

Short Environmental Assessment Form
Part 1 - Project Information

Instructions for Completing

Part 1 - Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 - Project and Sponsor Information			
Sunshine Ford EV Charging by ChargeSmartEV			
Name of Action or Project:			
Project Location (describe, and attach a location map): 40-NY 17K Newburgh, NY 12550			
Brief Description of Proposed Action: Installation of Electric Vehicle Charging Stations at Sunshine Ford. Qty 2- 120kW DCFC Qty 1-180kW DCFC Qty 3- 19.2kW Level II Chargers Qty 12- NEMA 14-50 Outlets			
Name of Applicant or Sponsor: ChargeSmart EV -Bridget O'Connor		Telephone: 607-220-6014 E-Mail: bridget@chargesmartev.com	
Address: 5 Southside Dr. Suite 11-184			
City/PO: Clifton Park		State: NY	Zip Code: 12065
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.		NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval: Town of Newburgh Building Permit		NO <input type="checkbox"/>	YES <input checked="" type="checkbox"/>
3.a. Total acreage of the site of the proposed action?		<1 acres	
b. Total acreage to be physically disturbed?		<1 acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		3 acres	
4. Check all land uses that occur on, adjoining and near the proposed action. <input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Residential (suburban) <input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other (specify): _____ <input type="checkbox"/> Parkland			

<p>18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)?</p> <p>If Yes, explain purpose and size: _____</p> <p>_____</p> <p>_____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>
<p>19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?</p> <p>If Yes, describe: _____</p> <p>_____</p> <p>_____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>
<p>20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?</p> <p>If Yes, describe: _____</p> <p>_____</p> <p>_____</p>	<p>NO</p> <p><input checked="" type="checkbox"/></p>	<p>YES</p> <p><input type="checkbox"/></p>
<p>I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</p>		
<p>Applicant/sponsor name: <u>ChargeSmart EV -Bridget O'Connor</u> Date: <u>7/21/23</u></p>		
<p>Signature: <u>Bridget O'Connor</u></p>		

Project:

Date:

Short Environmental Assessment Form
Part 2 - Impact Assessment

Part 2 is to be completed by the Lead Agency.

Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept "Have my responses been reasonable considering the scale and context of the proposed action?"

	No, or small impact may occur	Moderate to large impact may occur
1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?	<input type="checkbox"/>	<input type="checkbox"/>
2. Will the proposed action result in a change in the use or intensity of use of land?	<input type="checkbox"/>	<input type="checkbox"/>
3. Will the proposed action impair the character or quality of the existing community?	<input type="checkbox"/>	<input type="checkbox"/>
4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?	<input type="checkbox"/>	<input type="checkbox"/>
5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?	<input type="checkbox"/>	<input type="checkbox"/>
6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities?	<input type="checkbox"/>	<input type="checkbox"/>
7. Will the proposed action impact existing:	<input type="checkbox"/>	<input type="checkbox"/>
a. public / private water supplies?	<input type="checkbox"/>	<input type="checkbox"/>
b. public / private wastewater treatment utilities?	<input type="checkbox"/>	<input type="checkbox"/>
8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources?	<input type="checkbox"/>	<input type="checkbox"/>
9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)?	<input type="checkbox"/>	<input type="checkbox"/>
10. Will the proposed action result in an increase in the potential for erosion, flooding or drainage problems?	<input type="checkbox"/>	<input type="checkbox"/>
11. Will the proposed action create a hazard to environmental resources or human health?	<input type="checkbox"/>	<input type="checkbox"/>

Agency Use Only [If applicable]

Project:

Date:

Short Environmental Assessment Form Part 3 Determination of Significance

For every question in Part 2 that was answered "moderate to large impact may occur", or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.

Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required.

Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.

Name of Lead Agency

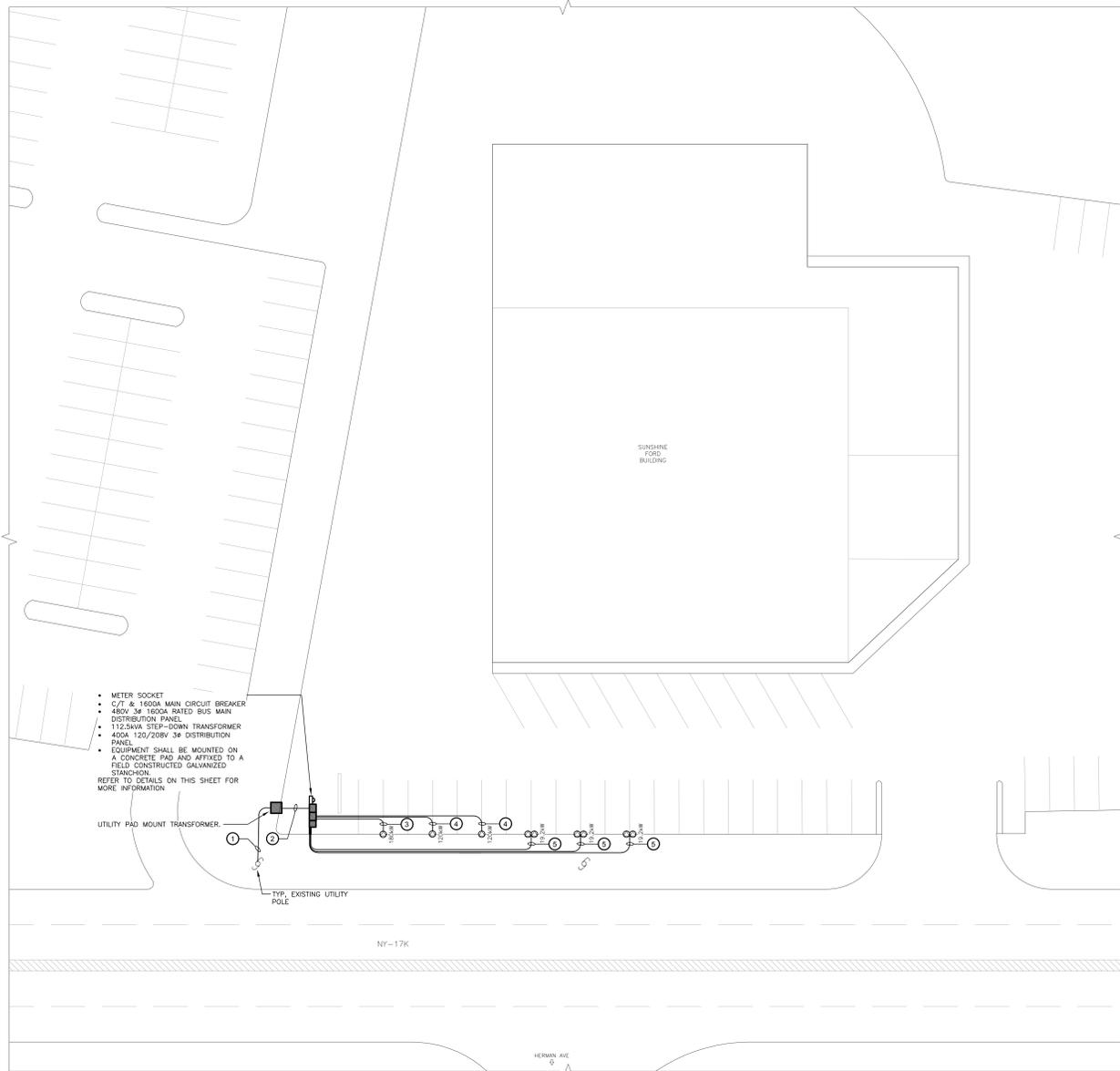
Date

Print or Type Name of Responsible Officer in Lead Agency

Title of Responsible Officer

Signature of Responsible Officer in Lead Agency

Signature of Preparer (if different from Responsible Officer)



1 ELECTRICAL: SITE PLAN
SCALE: 1" = 20'0"

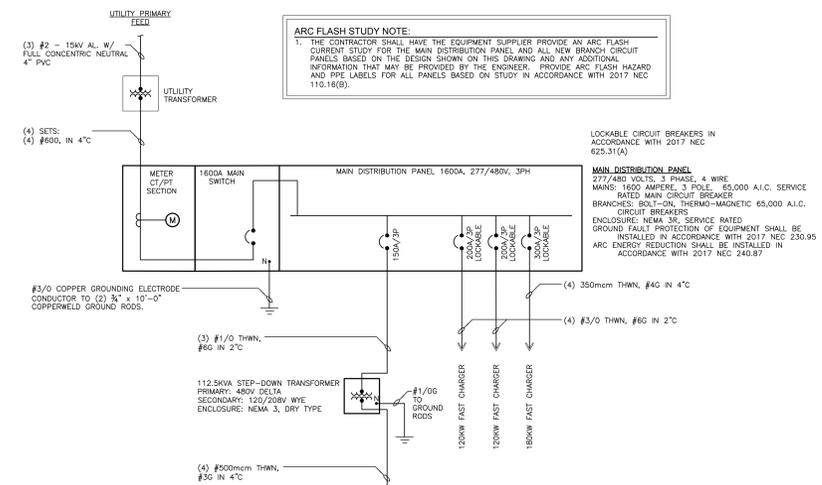
TAG	FEEDER SIZE	WIRING AND CONDUIT	DESCRIPTION
①	PRIMARY CONDUCTORS	(3) #2 - 15kV ALUMINUM WITH FULL CONCENTRIC NEUTRAL, 4" PVC UNDERGROUND	CABLE SIZE AND TYPE SHALL BE APPROVED BY UTILITY CO.
②	1600A, 3-PHASE	(4) SETS OF (4) 600mm THWN CU., 4" PVC UNDERGROUND	1600A SERVICE ENTRANCE CONDUCTORS
③	300A, 3-PHASE	(4) 350mm THWN CU., #4G, 3" PVC UNDERGROUND	FEEDER TO 180kW CHARGING STATION
④	200A, 3-PHASE	(4) #3/0 THWN CU., #6G, 2" PVC UNDERGROUND	FEEDER TO 120kW DUAL PORT CHARGING STATION
⑤	100A, 3-PHASE	(2) SETS OF (3) #3 THWN CU., #8G, 1" PVC UNDERGROUND	FEEDER TO 19.2kW DUAL PORT CHARGING STATION

DESIGN CRITERIA

- DESIGN CRITERIA:
 - THE PROJECT WILL INCLUDE (2) NEW 180 kW EV CHARGING STATIONS.
 - THE PROJECT WILL INCLUDE (2) NEW 120 kW EV CHARGING STATIONS.
 - THE PROJECT WILL INCLUDE (3) NEW 19.2 kW EV DUAL PORT CHARGING STATIONS.
 - THE PROJECT WILL INCLUDE (1) NEW UTILITY TRANSFORMER AS SELECTED BY THE UTILITY COMPANY.
 - THE PROJECT WILL INCLUDE (1) NEW 112.5 kVA DRY TYPE TRANSFORMER.
 - THE PROJECT WILL INCLUDE NEW 1600A, 3PH, SWITCHGEAR AS SHOWN IN ONE-LINE DIAGRAM BELOW.
 - THE PROJECT WILL INCLUDE (1) NEW 400A 208V, 3PH MAIN BREAKER PANELBOARD WITH (6) 100A 2P BREAKERS TO EV CHARGERS.
 - NOTABLE CODE ITEMS:
 - WHERE PROVIDED, ELECTRIC VEHICLE CHARGING STATIONS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70, ELECTRIC VEHICLE CHARGING SYSTEM EQUIPMENT SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 2202, ELECTRIC VEHICLE SUPPLY EQUIPMENT SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 2594.
 - NFPA-70 NATIONAL ELECTRIC CODE:
 - ALL WORK WITH THESE DRAWINGS SHALL ADHERE TO NEC 625 ELECTRIC VEHICLE CHARGING SYSTEM.
- THIS ARTICLE COVERS THE ELECTRICAL CONDUCTORS AND EQUIPMENT EXTERNAL TO AN ELECTRIC VEHICLE THAT CONNECT AN ELECTRIC VEHICLE TO A SUPPLY OF ELECTRICITY BY CONDUCTIVE, INDUCTIVE, OR WIRELESS POWER TRANSFER (CONTACTLESS INDUCTIVE CHARGING) MEANS, AND THE INSTALLATION OF EQUIPMENT AND DEVICES RELATED TO ELECTRIC VEHICLE CHARGING.**
- INFORMATIONAL NOTE NO. 1: FOR INDUSTRIAL TRUCKS, SEE NFPA 505 -2013, FIRE SAFETY STANDARD FOR POWERED INDUSTRIAL TRUCKS INCLUDING TYPE DESIGNATIONS, AREAS OF USE, CONVERSIONS, MAINTENANCE, AND OPERATION.
 - INFORMATIONAL NOTE NO. 2: UL 2594-2013, STANDARD FOR ELECTRIC VEHICLE SUPPLY EQUIPMENT, IS A SAFETY STANDARD FOR CONDUCTIVE ELECTRIC VEHICLE SUPPLY EQUIPMENT. UL 2202-2009, STANDARD FOR ELECTRIC VEHICLE CHARGING SYSTEM EQUIPMENT, IS A SAFETY STANDARD FOR CONDUCTIVE ELECTRIC VEHICLE CHARGING EQUIPMENT.

GENERAL ELECTRICAL NOTES

- ELECTRICAL CONTRACTOR SHALL PROVIDE TYPED SCHEDULES OF ALL CIRCUITRY IN ALL PANELS. SCHEDULES SHALL MATCH THE LOADS SHOWN IN THE PROJECT PANEL SCHEDULE INCLUDED WITH THESE DRAWINGS. ALL SPARE PANEL SPACES SHALL BE FULLY PROTECTED WITH METAL BLANKS.
- ELECTRICAL DEVICES MATERIALS AND PACKAGED EQUIPMENT SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) SUCH AS UNDERWRITERS LABORATORIES INC. (UL), FOR THE INTENDED USE, AND SHALL BEAR ITS LABEL. NOTE THAT NRTL APPROVAL OF INDIVIDUAL COMPONENTS OF PACKAGED EQUIPMENT DOES NOT CONSTITUTE APPROVAL OF THE ENTIRE PACKAGE.
- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE 2017 EDITION (NFPA 70), AND THE BUILDING CODE OF NEW YORK.
- OWNER TO PAY ALL REQUIRED FEES AND THE CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS. THE ELECTRICAL CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS AND SUBMIT COPIES OF ACCEPTANCE CERTIFICATES TO OWNER PRIOR TO COMPLETION OF PROJECT.
- ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL BOXES, FITTINGS, CONNECTORS, COVER PLATES, AND OTHER MISCELLANEOUS ITEMS, NOT NECESSARILY DETAILED ON THESE DRAWINGS TO RENDER THE ELECTRICAL INSTALLATION COMPLETE AND OPERATIVE, AND IN COMPLIANCE WITH APPLICABLE CODES.
- ALL WIRING SHALL BE COPPER CONDUCTOR, MINIMUM SIZE #12 AWG, UNLESS OTHERWISE NOTED.
- ELECTRICAL CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING EQUIPMENT AND NOTE CONDITIONS AND AREAS WHERE WORK WILL OCCUR IN FIELD.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH AND MEET ALL REQUIREMENTS OF SERVING POWER UTILITY COMPANY.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES TO AVOID CONFLICTS OF EQUIPMENT INSTALLATION. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL EQUIPMENT CONNECTIONS, WIRING DEVICES AND LIGHTING WITH ENGINEER PRIOR TO INSTALLATION.
- ELECTRICAL CONTRACTOR SHALL SUBMIT EQUIPMENT SHOP DRAWINGS FOR APPROVAL BY ENGINEER PRIOR TO COMMENCING INSTALLATION.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND PAINTING ASSOCIATED WITH ELECTRICAL WORK.
- ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIAL INSTALLED UNDER THIS CONTRACT TO BE FREE FROM DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF COMPLETION AND ACCEPTANCE BY THE OWNER. CONTRACTOR AGREES TO REPLACE ANY DEFECTIVE EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER FOR THE DURATION OF THE GUARANTEE PERIOD.
- CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, EXCAVATION AND BACKFILL ASSOCIATED WITH THE ELECTRICAL WORK. PRIOR TO PERFORMING ANY EXCAVATIONS THE CONTRACTOR SHALL CONTACT NEW YORK CALL BEFORE YOU DIG, FOR STAKEOUT REQUESTS CALL 811 OR 1-800-962-7962.
- CONTRACTOR SHALL PROTECT EXISTING ASPHALT PARKING LOTS AND DRIVEWAYS AND CONCRETE CURBING THROUGHOUT PROJECT DURATION. CONTRACTOR TO REPAIR PARKING LOTS, DRIVEWAYS AND CURBING DAMAGED AS A RESULT OF ELECTRICAL WORK. REPAIRS SHALL MATCH EXISTING CONDITIONS OR BETTER.
- SITE RESTORATION - WHERE AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE, THE CONTRACTOR SHALL REPLACE ALL SURFACES DISTURBED AND SHALL RESTORE PAVING, CURBING, SIDEWALKS, DRIVEWAYS, SUBURBERYS, GRASSED AREAS, AND OTHER SURFACES DISTURBED TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED BEFORE THE WORK BEGAN, FURNISHING ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY THEREFOR. THE CONTRACTOR SHALL AT SAID CONTRACTOR'S OWN EXPENSE AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE, CLEAN UP AND CORRECT UNSIGHTLINESS, INCONVENIENCE, HAZARD OR DAMAGE CAUSED BY WATER, MUD, STONES, DUST, RUBBISH, CONSTRUCTION DEBRIS, TRAFFIC, WORKMEN OR THE GENERAL OPERATIONS. WHEEL TRACKS, PATHS, PUDDLES, DAMAGED GROWTH, FRAGGED EDGES, UNSURFABLE SPOTS, FROM EXCAVATION AND ROUGH SLOPES ARE TO BE REMOVED, OBLITERATED, CORRECTED, GRADED, LEVELLED, PATCHED OR SMOOTHED. ALL ADJACENT AREAS THAT HAVE BEEN DAMAGED OR THAT REQUIRE REPAIRING SHALL BE SMOOTHED AND WORKED TO MAKE THE PROJECT AREA BLEND INTO EXISTING CONDITIONS. PROVIDE TOPSOIL, SEED AND MULCH WHERE REQUIRED FOR GRASS ESTABLISHMENT.



2 ELECTRICAL: ONE-LINE POWER SCHEMATIC
NOT TO SCALE

WIRING & WIRING METHODS

- ALL WIRING METHODS & INSTALLATION PRACTICES SHALL CONFORM TO THE NATIONAL ELECTRIC CODE, LOCAL STATE CODES, & OTHER APPLICABLE LOCAL CODES.
- SYSTEM CONDUCTORS SHALL BE RATED FOR 90° C, WET RATED, UV RESISTANT & A MINIMUM OF 600V RATED.
- SYSTEM CIRCUIT CONDUCTORS SHALL BE IDENTIFIED AT ALL TERMINATIONS, CONNECTIONS, AND SPLICE POINTS AS REQUIRED PER NEC ARTICLE 600.31 (B) (1).
- DC ELECTRICAL SYSTEM CONDUCTOR COLOR CONVENTIONS SHALL BE MARKED AS FOLLOWS:

DC CONDUCTOR MARKING CONVENTIONS			
	UNGROUND	SOLID GROUND	FUNCTIONAL GROUND
POSITIVE	RED	REF NEC ARTICLE 200 FOR GROUNDING CONDUCTOR	RED
NEGATIVE	BLACK	JACKETING REQUIREMENTS	BLACK
GROUND	GREEN OR BARE	GREEN OR BARE	GREEN OR BARE

- LOW VOLTAGE AC CONDUCTORS (<=600V) MUST BE 600V & 90° C RATED.
- THREE PHASE AC ELECTRICAL SYSTEM CONDUCTOR COLOR CONVENTIONS SHALL BE MARKED AS FOLLOWS:

AC CONDUCTOR MARKING CONVENTIONS			
	120/208V	277/480 & 347/600V	1000V <
PHASE A	BLACK	BROWN	BLACK
PHASE B	RED	ORANGE	RED
PHASE C	BLUE	YELLOW	BLUE
NEUTRAL	WHITE	GRAY	BLUE
GROUND	GREEN	GREEN	GREEN OR BARE

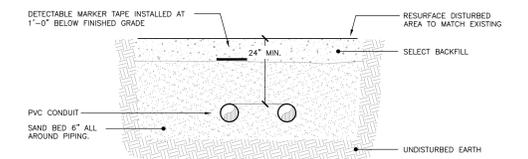
- ALL WIRES INSTALLED IN FREE AIR TO BE SECURED VIA MECHANICAL MEANS. CONDUCTORS TO BE SECURED IN A MANNER THAT ENSURES PROTECTION AGAINST ABRASION, SHARP EDGES, & POTENTIAL INSULATION DAMAGING ELEMENTS.
- CONDUCTORS ROUTED OUT OF A CONDUIT SHALL BE SUPPORTED AND SECURED AT INTERVALS DEFINED BY NEC.
- CONDUCTORS ROUTED IN VERTICAL RACEWAYS SHALL BE SUPPORTED AS REQUIRED IN NEC 300.19.

GROUNDING NOTES

- ALL ENCLOSURES AND NON-CURRENT CARRYING METALLIC PARTS OF THE ELECTRICAL SYSTEM, RACEWAY SYSTEMS, & EQUIPMENT GROUND BUSES SHALL BE GROUNDED TO THE GROUNDING SYSTEM VIA EQUIPMENT GROUNDING CONDUCTORS (EGC). GROUND CONTINUITY SHALL BE MAINTAINED THROUGHOUT.
- EQUIPMENT GROUNDING CONDUCTORS TO BE SIZED PER NEC 250.122.
- GROUNDING RODS SHALL BE 3/4"x10'-0" COPPER CLAD STEEL UNLESS OTHERWISE SPECIFIED.
- GROUND RODS, GROUNDING ELECTRODE CONDUCTORS & CONNECTIONS TO BE MADE A MIN. OF 30" BELOW GRADE UNLESS OTHERWISE SPECIFIED.

CONDUIT, CABLE TRAY, & RACEWAY NOTES

- CONDUIT & CABLE ROUTES ARE DIAGRAMMATIC & REQUIRE SUBCONTRACTOR FIELD VERIFICATION. SIGNIFICANT DEVIATION FROM THE PROPOSED ROUTE MUST BE COORDINATED PRIOR TO INSTALLATION.
- WHERE CIRCUIT ROUTING IS NOT SHOWN & THE DESTINATION IS INDICATED THE SUBCONTRACTOR SHALL DETERMINE & COORDINATE THE EXACT ROUTE PRIOR TO INSTALLATION.
- ALL OUTDOOR CONDUIT SHALL HAVE RAIN-TIGHT CONNECTORS & COUPLINGS.
- IN ADDITION TO THOSE SHOWN IN THE DRAWINGS, SUBCONTRACTOR SHALL DETERMINE & PROVIDE ENCLOSURES AS NECESSARY TO FACILITATE THE INSTALLATION OF WIRING BENDS IN CONDUIT IN COMPLIANCE WITH NEC ARTICLE 314.
- PULL & JUNCTION BOXES SHALL BE SIZED IN ACCORDANCE WITH NEC ARTICLE 314.
- CONDUIT TO BE ROUTED IN A MANNER THAT DOES NOT OBSTRUCT EQUIPMENT WORKING CLEARANCES & ACCESSIBILITY.
- ALL OUTDOOR RATED ENCLOSURES SHALL BE NEMA 3R.
- WHEN TRANSITIONING FROM FREE AIR TO CONDUIT, A LISTED FITTING SHALL BE USED TO PREVENT THE ENTRY OF MOISTURE.



3 ELECTRICAL: CONDUIT TRENCH DETAIL
NOT TO SCALE

DESCRIPTION	DATE	REVISION			ELECTRICAL: SITE PLAN, DETAILS & NOTES EV CHARGESMART SUNSHINE FORD 40 NY-17K NEWBURGH, NY 12550	DATE	JULY 7th, 2023	SHEET NO.	
						PROJECT NO.	GA23038	E-1 1 OF 1	
			DRAWN BY	RL/KC					
			CHECKED BY	BHVGH					

ChargeSmart EV5 Southside Drive, Suite 11-184
Clifton Park NY 12065**ChargeSmart EV****Date:**

3/28/2023

Services Performed By:ChargeSmart EV
5 Southside Drive, Suite 11-184
Clifton Park NY 12065**Services Performed For:**Sunshine Ford
40 NY-17K
Newburgh NY 12550**Scope of Work**

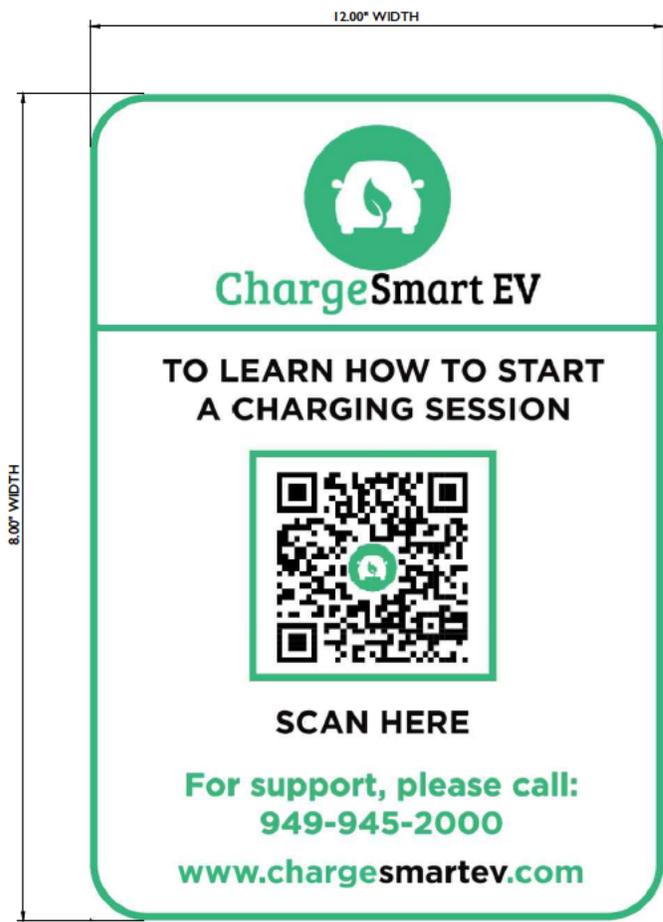
As per your request, we propose to provide materials, equipment, and labor for the new EV Car Charging Stations as per below. All electrical permit and / or electrical inspection fees, as well as any required engineering stamped drawings are included within this proposal if necessary.

Proposed EVSE

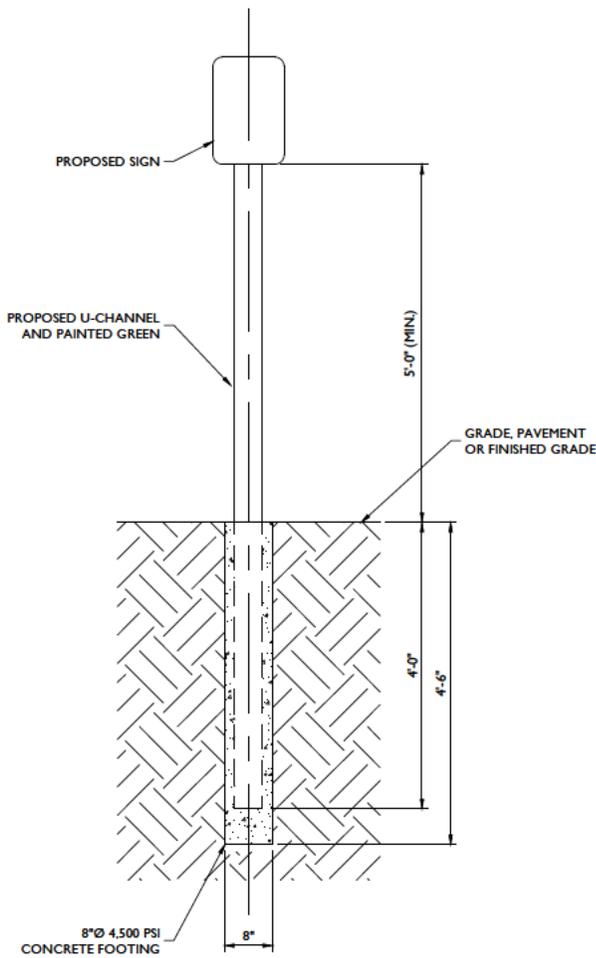
Quantity	Model Number
2	120kW Tellus DCFC
1	180kW Tellus DCFC
3	19.2kW Blink IQ200 Level 2 Pedestal
12	NEMA 14-50 Outlets

Project Work

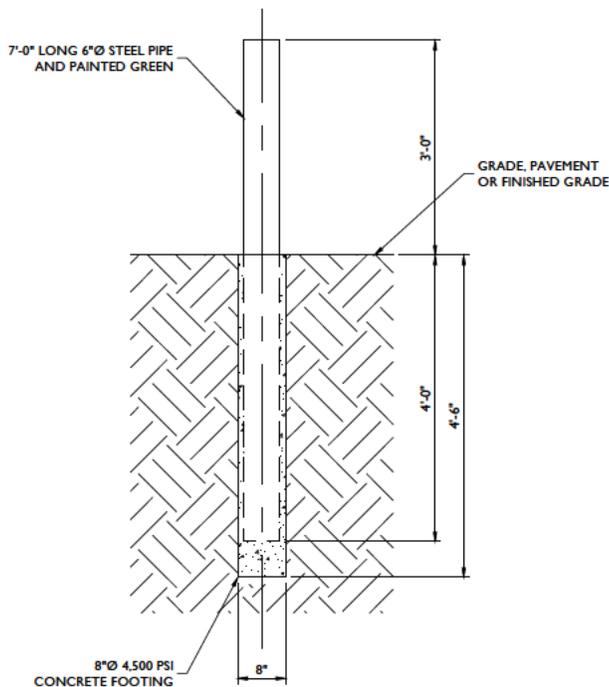
Quantity	Work Item
1	New Primary Service from existing utility pole to pad mount transformer
1	1600A 480V Service
1	New Switchgear for facility
1	Use existing service to power NEMA Outlets in service bays
1	Transformer for all Level 2 chargers
1	All Conduit and cabling included
1	Grounding and bonding to code
1	All excavation, concrete pads, restoration and asphalt repair included
1	Feeders and installation of EVSE equipment
1	Electrical Inspections and premium time for swap over included
1	Building Permits, stamped engineer drawings
1	Central Hudson Charges (Allowance)
1	Activation of all EVSE equipment



PARKING SIGN DETAIL
NOT TO SCALE



SIGN FOUNDATION DETAIL
NOT TO SCALE



BOLLARD DETAIL
NOT TO SCALE

DESIGN INFORMATION:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336A, ASTM A184, ASTM A185 AND THE DESIGN & CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. THE DESIGN SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE AS SHOWN ON SHEET T-1.

EARTHWORK:

1. FOUNDATIONS HAVE BEEN DESIGNED TO BEAR ON (UNDISTURBED RESIDUAL SOILS/COMPACTED STRUCTURAL FILL), CAPABLE OF SAFELY SUPPORTING AN ALLOWABLE BEARING PRESSURE OF 1,500 PSF. IF FOUNDATION CONDITIONS PROVE UNACCEPTABLE AT ELEVATIONS SHOWN EXCAVATION SHALL BE CARRIED DEEPER AND SHALL BE BACKFILLED WITH LEAN CONCRETE TO PLAN FOOTING BOTTOM OR REDISIGN OF FOUNDATIONS WILL BE REQUIRED AT THE DIRECTION OF THE ENGINEER.
2. DESIGN FURNISH AND INSTALL TEMPORARY SHEETING, SHORING, AND DRAINAGE TO MAINTAIN THE EXCAVATION AND PROTECT SURROUNDING STRUCTURES AND UTILITIES.
3. THOROUGHLY COMPACT ALL BOTTOM OF FOOTINGS PRIOR TO PLACING ANY CONCRETE.

CONCRETE:

1. FORMWORK
 - 1.a. CONCRETE CONSTRUCTION SHALL CONFORM TO "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS." (ACI 301-89).
 - 1.b. FORMWORK SHALL CONFORM TO ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"
2. REINFORCEMENT
 - 2.a. REINFORCING STEEL ASTM A615, GRADE 60, WELDED WIRE ASTM A185 (FLAT SHEET), LAPS 40 BAR DIAMETERS UNLESS NOTED. BARS SHALL BE SECURELY HELD IN ACCURATE POSITION BY SUITABLE ACCESSORIES, TIE BARS, SUPPORT BARS, ETC. HOOK LENGTHS SHALL BE 12 BAR DIAMETERS.

ChargeSmart EV




ChargeSmart EV

AVAILABLE
6,000+ STATIONS

TO BEGIN A CHARGING SESSION:

USING MOBILE APP:

(Download the "ChargeSmartEV" App)



- 1 Plug in connector
- 2 Login to the ChargeSmartEV app and scan QR code
- 3 Click "Start Charging"



Tap RFID Card Here
or Scan QR Code
Below

USING RFID CARD

- 1 Plug in connector
- 2 Tap your ChargeSmartEV RFID card on the RFID reader



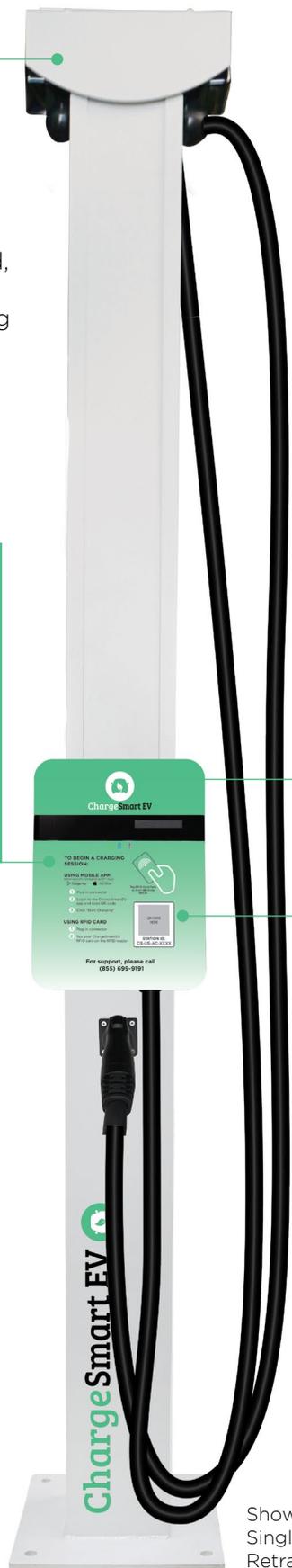
For support, please call
(855) 699-9191

ENERGY SERIES 80 Amp

The 80 AMP charging station is the largest & most powerful charging station in the ChargeSmartEV line-up.



ChargeSmart EV



CABLE RETRACTOR

- **Optional** cable retractor extends the life of the cables by elevating them off the ground, while also creating a safe environment by reducing tripping hazards

LEVEL 2 CHARGING STATION

- **Outdoor rated** with multiple mounting configurations
- **Largest & fastest Level 2** AC charging station on the market today
- **Adjustable** Max 80A / 19.2kW output allows for the ideal power to match your supply panel, electric vehicle, and driving range
- **3-Year Parts** Warranty (5-Year Parts & Labor optional)

MULTIPLE MODELS

- **Open Access Control**
Non-networked common for residential and fleet use
- **RFID Access Control**
Non-networked model with RFID-card access control
- **Ethernet**
- **Cellular**
- **Networked**
When connected to a backend software plan, it unlocks features such as point of sale payment, usage data reporting, driver notifications, remote diagnostics, and more

MOUNT CONFIGURATIONS



Single Wall Mount



Single Pedestal



Dual Retractor Pedestal Mount



Dual Pedestal

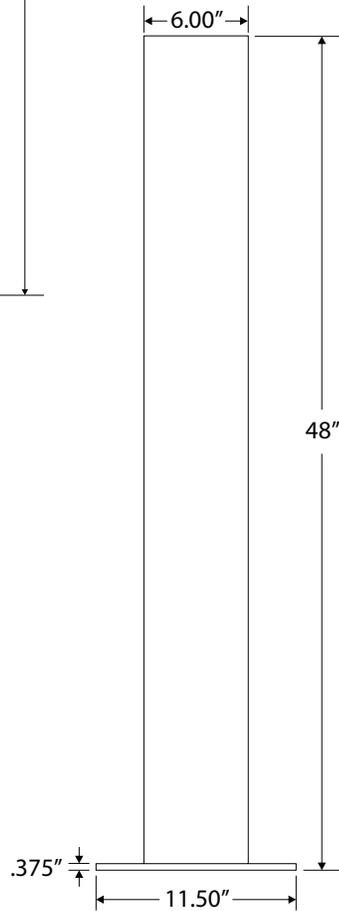
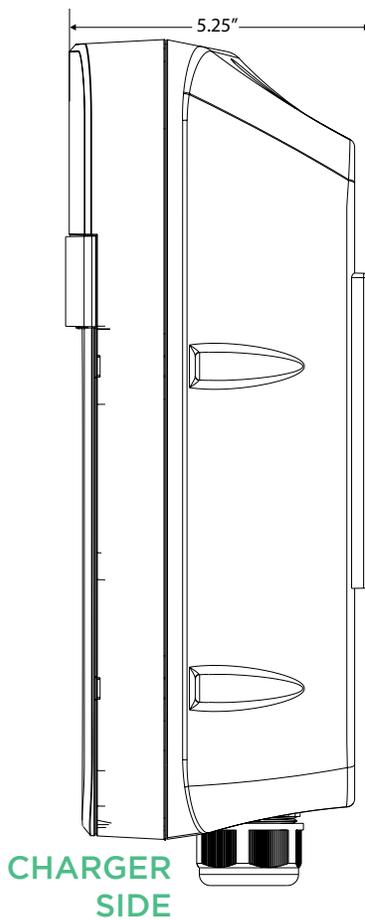
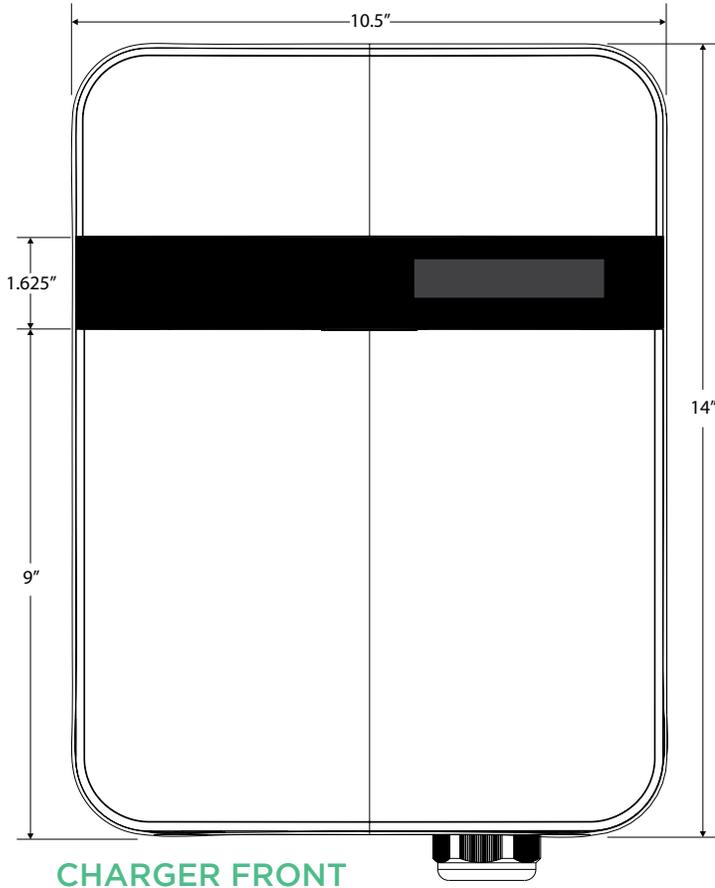
Shown: Single Pedestal Retractor Mount



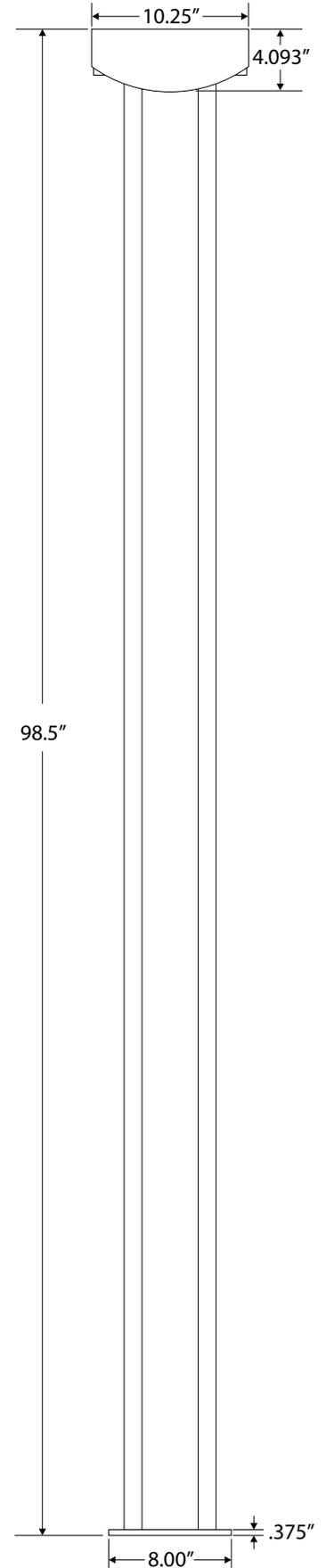
UL-Listed meets safety criteria for use in North America



Meets standards for Americans with Disabilities Act

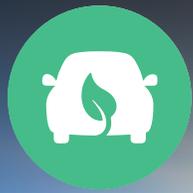


(OPTIONAL)
6x6x48"
PEDESTAL



(OPTIONAL)
RETRACTOR

CONFIGURATION	OPEN-ACCESS	RFID ACCESS / WI-FI	NETWORKED
APPLICATION	COMMERCIAL		
VOLTAGE (VAC)	208/240VAC, Single Phase		
FREQUENCY (Hz)	50Hz / 60Hz		
CURRENT (RMS)	Adjustable Max 80A / 19.2kW		
CIRCUIT BREAKER	80A = 100A		
CHARGING CONNECTOR	SAE J1772 Type 1		
CHARGING CABLE LENGTH	25 ft. (18 ft. optional)		
CHARGING CABLE	UL E345899 EVE 2/C 5 AWG (16.8mm ²) 1/C 6AWG (13.3mm ²) 1/C 16AWG (1.31mm ²) 105°C Water Resistant 60°C 600V		
METERING ACCURACY	Embedded ±1% (internal)		
REAL-TIME CLOCK	N/A	Yes	
WI-FI	N/A	802.11 b/g/n	
CELLULAR		N/A	LTE Cat.M1/Cat.NB IoT
RFID	N/A	ISO 14443 A/B ISO 152693 NFC	
DISPLAY	N/A	116(L)*8.5(W)*37(H)mm 5.57mm CHARACTER HEIGHT 5*8 DOT MATRIX OLED 20x2	
DATA PROTOCOL	N/A	OCPP 1.6	
OPERATION TEMPERATURE	-35°C to 55°C / -13°F to 131°F (55°C / 131°F current derating limit maximum 60A)		
STORAGE TEMPERATURE	-40°C to 80°C / -40°F to 176°F		
MOUNTING TYPE	Wall Mount / Pedestal Mount (optional)		
WIRING TYPE	Hardwired		
IP PERFORMANCE	NEMA 3R		
IMPACT RESISTANCE	IK10		
DIMENSION (HxWxD, INCHES)	14 x 10.5 x 5.25		
WEB PORTAL MANAGEMENT	N/A	Yes	
CERTIFICATION	UL 50 / 991 / 1449 / 1998 / 2231 / 2594 FCC Part 15B		
SAFETY	cULus Listed		
PEDESTAL CONSTRUCTION	Aluminum, Powder-Coat Finish, Stainless Steel Hardware		
WARRANTY	3 Year Parts Warranty (5 Year Parts & Labor Optional)		



ChargeSmart EV

COMMERCIAL DC FAST CHARGER

120kW

ChargeSmart EV's
Powerful Compact
All-In-One
DC Fast Charger
is the Superior
Choice for Safe,
Reliable, and Fast
EV Charging



ChargeSmart EV

DC FAST CHARGER

- **Available** in 750VDC and 1000VDC
- **Simple** air-cooled power modules
- **Easy** to maintain

CORD MANAGEMENT

- **Built-in** cable management system
- **Safely** store the charging cables off the ground

PAYMENTS

- **Built-in** credit card reader
- **Pay** through CSEV app
- **RFID** card reader

CHARGING PORTS

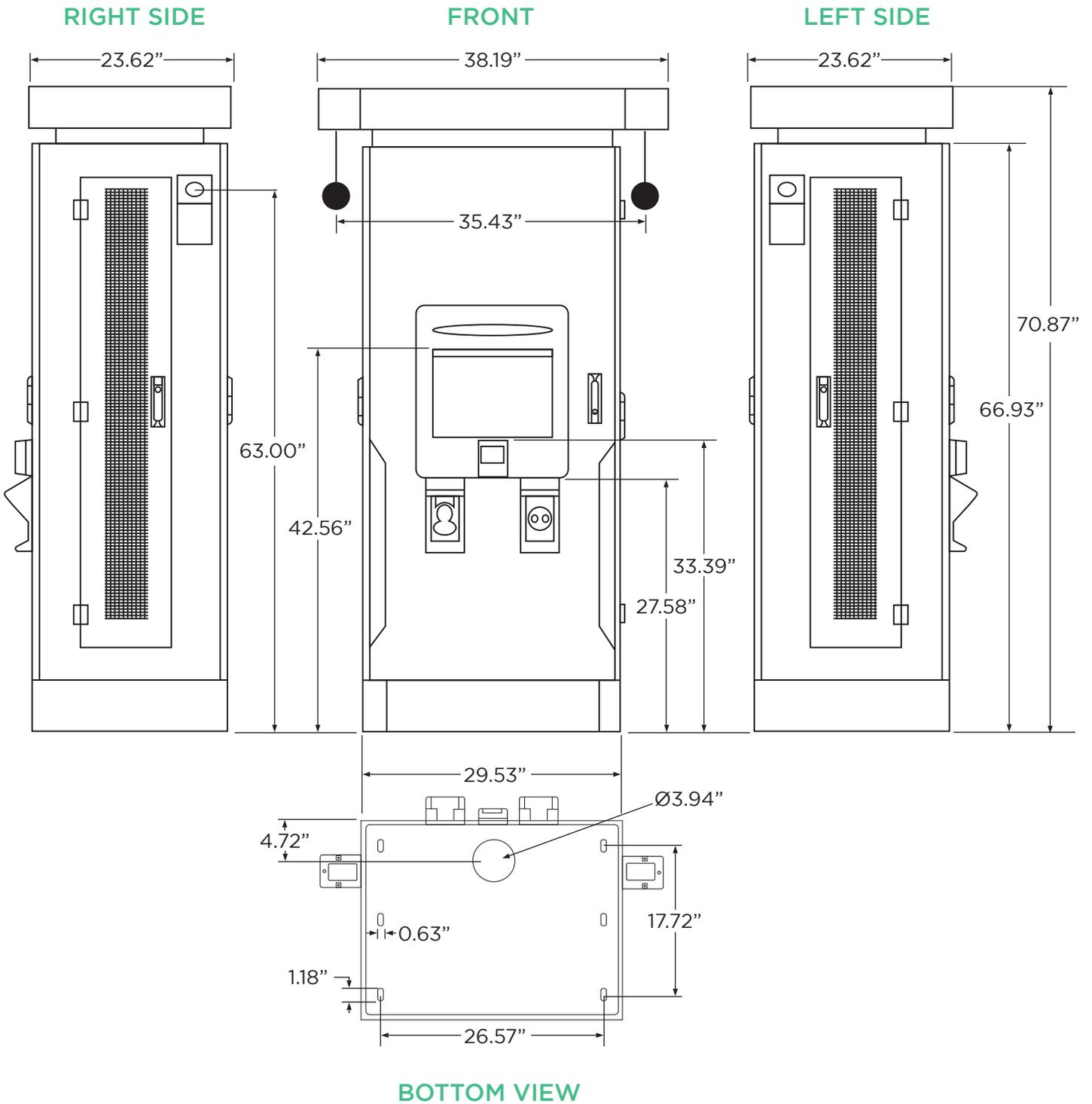
- **Parallel** charge mode (*optional*)
- **Charging** port configurations available in:
 - CCS1 & CCS1
 - CCS1 & CHAdeMO

HEAVY DUTY

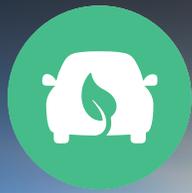
- **Commercial** grade charging station cabinet
- **Rated** NEMA 3S (IP54), IK10



UL-Listed meets safety criteria for use in North America



CONFIGURATION	CSEV-TP4-120-480	CSEV-TP5-120-480
Input	480VAC (3P+N+PE), 60Hz	
Output Voltage	150-750VDC	150-1000VDC
Output current	0 to 200A	
FLA Breaker Rating	160A 200A	
Connectors	CCS1 CCS1 and CCS1 CCS1 and CHAdeMO	
Cyclic Charge Mode	CCS1 - 200 A CHAdeMO - 125 A	
Parallel Charge Mode <i>(Optional)</i>	60 kW per Port	
Efficiency	≥94% at nominal output power	
Power factor	>0.98	
Operating temperature	-22°F to 131°F (-30°C to 55°C)	
Altitude	< 6600' (2000m)	
Working Storage Humidity	≤ 95% RH ≤ 99% RH (Non-condensing)	
Weight	840 lbs (380kg)	
Display	10" touch screen	
Access Control	RFID : ISO/IEC 14443A/B Credit Card Reader (Optional)	
Dimensions (L x D x H)	29" x 26.5" x 72"	
Protective Class	NEMA 3S (IP54), IK10	
Power Electronics Cooling	Air Cooling	
Charging Protocol Standards	Mode 4 - IEC-61851, ISO-15118, DIN 70121 Mode 4 - CHAdeMO 0.9, 1.0	
Metering	DC kWh meter per each connector	
Charging cable	16ft (5m), Cable Retractor Included	
Communication Protocol	Ethernet, 4G/WiFi OCPP 1.6J	
Insulation (Input-Output)	> 2.5 kV	
Electrical Safety: GFCI	RCD 20 mA Type A	
Electrical Safety: Surge Protection	20 kA	
Electrical Safety General	Over Voltage, Under Voltage, Over Current, Missing Ground	
Electrical Safety: Output Short	Output power disabled when output is short circuited	
Electrical Safety Temperature	Temperature Sensors @ Charge Coupler and Power Electronics	
Emergency Stop	Emergency Stop Button Disables Output Power	
Regulatory Compliance	UL-2202 EMC: EN 61000-6-1:2007, EN 61000-6-3:2007/A1:2011/AC:2012	
Warranty	2-Year Standard Parts Warranty	
Extended Warranty	3-Year or 5-Year Parts+Installation Warranty (Optional)	



ChargeSmart EV

COMMERCIAL DC FAST CHARGER

180kW

ChargeSmart EV's
Powerful Compact
All-In-One
DC Fast Charger
is the Superior
Choice for Safe,
Reliable, and Fast
EV Charging



ChargeSmart EV

DC FAST CHARGER

- **Available** in 1000VDC
- **Simple** air-cooled power modules
- **Easy** to maintain

CORD MANAGEMENT

- **Built-in** cable management system
- **Safely** store the charging cables off the ground

PAYMENTS

- **Built-in** credit card reader
- **Pay** through CSEV app
- **RFID** card reader

CHARGING PORTS

- **Parallel** charge mode (*optional*)
- **Charging** port configurations available in:
 - CCS1 & CCS1
 - CCS1 & CHAdeMO

HEAVY DUTY

- **Commercial** grade charging station cabinet
- **Rated** NEMA 3S (IP54), IK10



UL-Listed meets safety criteria for use in North America

CONFIGURATION	CSEV-TP5-180-480	CSEV-HPC-180-480
Maximum Power	180 kW	
Output Voltage	150 - 1000 VDC	
Max Output Current	Up to 200A	Up to 500A
Input	480V (3P + N + PE), 60 Hz	
Input Current Breaker Rating	240A 300A	
Power Factor	>0.98	
Efficiency	>94% at nominal output power	
Connector Options	CCS1 and CCS1 CCS1 and CHAdeMO 98	CCS1 CCS1 and CCS1 CCS1 and CHAdeMO
CCS Cable	200A	500A Liquid Cooled
CHAdeMO Cable	125A (Standard) Or 200A	
Cycle Mode	1 x 180kW (Max: 200A)	1 x 180kW (Max: 450A)
Parallel Mode	2 x 90kW (Max: 200A)	2 x 90kW (Max: 250A)
Charging Protocol Standards	Mode 4, IEC-61851, ISO-15118, DIN 70121 Mode 4, CHAdeMO 0.9, 1.0	
Connector cable length	CCS - 13 ft (4 m) CHAdeMO - 16ft (5 m) Cable Retractor Included	
Weight	880 lbs (400 kg)	950 lbs (430 kg)
Dimensions (L x D x H)	29.5" x 26.5" x 73"	
Insulation (Input - Output)	>2.5 kV	
Ingress Protection	NEMA 3S, IK10	
Altitude	<6,600ft (2,000m)	
Operating Temperature	-30°C to 55°C (-22°F to 131°F)	
Working Storage Humidity	≤ 95% RH ≤ 99% RH (Non-condensing)	
Display	10" touch screen	
Communication Protocol	Ethernet, 4G/WiFi OCPP 1.6J	
Access Control	RFID : ISO/IEC 14443A/B Credit Card Reader (Optional)	
Metering	DC kWh meter per each connector	
Power Electronics Cooling	Air Cooled	
Regulatory Compliance	UL-2202 EMC: EN 61000-6-1:2007, EN 61000-6-3:2007/A1:2011/AC:2012	
Electrical Safety: GFCI	RCD 20 mA Type A	
Electrical Safety: Surge Protection	20 kA	
Electrical Safety General	Over Voltage, Under Voltage, Over Current, Missing Ground	
Electrical Safety: Output Short	Output power disabled when output is short circuited	
Electrical Safety Temperature	Temperature Sensors @ Charge Coupler and Power Electronics	
Emergency Stop	Disables output power with emergency stop button	
Warranty	2-Year Standard Parts Warranty	
Extended Warranty	3-Year or 5-Year Parts+Installation Warranty (Optional)	