



*Driving Our Customers into the Future*



## **Level 2 and DCFC Product Brochure**

**October 2023 Edition**

# ABOUT CHARGESMART EV

ChargeSmart EV offers a turnkey EV charging solution to serve a variety of businesses and clients. Whether you're a dealership, workplace, small or large local business, a residential home, multifamily property, or a municipality, we can help you reach new levels of success and help you to provide a beneficial service to current and new customers, employees and tenants or your family.

Our turnkey business solution exclusively focuses on installing electric vehicle charging stations for customers in every industry. Let Charge Smart EV handle the entire process, from start to finish, so you can continue to focus on running your business.



ChargeSmart EV can help clients all across the continental US, and offers a simple turnkey process that allows customers to get EV ready without taking time away from their business operations.

# OUR TURNKEY PROCESS

We make the process of installing EV charging stations as simple as possible. We have a team of experienced professionals to guide you through the entire process, from design to installation. We provide comprehensive support to make sure the solution meets your needs and is up and running quickly.

## Initial Meeting

Gather customer info and review the services we offer to learn about your specific needs.

## Site Planning

Conduct a site visit to determine and prepare a scope of work for you, along with a proposal. Get agreements signed to proceed.

## Applications

If applicable, we will submit necessary incentive applications to utility or state-funded programs on your behalf to request incentive funding.

## Implementation

Once the project is approved, the project takeoff meeting and installation of charging stations is initiated, utilizing our network of electrical contractors.

## Activation

When the installation is complete, the stations will be activated, and we will then finalize all paperwork needed to complete the project. We will then train you on how to use your Network Dashboard for your new stations, to set charging rates and setup collection of payments.



## SITE OWNERS

ChargeSmart EV offers a comprehensive range of services for electric vehicle charging solutions. We develop a custom solution after performing a site visit, to offer the charging infrastructure that works with your specific needs and location. All EV sites will get access, and training, on our ChargeSmart EV network dashboard, to get the most out of your EV stations.

Our expertise extends to installation and project management services, making the implementation process hassle-free. When it comes to ownership models, ChargeSmart EV is flexible. Our clients can choose to own their stations outright, opt for a hybrid ownership model, or rent out their parking spaces as a long-term site host. We are here to make electric vehicle charging accessible and tailored to your unique requirements.

## WHAT EV CHARGERS CAN DO FOR YOU

### MULTI-UNIT DWELLING CHARGERS

- Attract, retain and provide greater value to residents
- Differentiate your property in a competitive housing market
- Add a new revenue stream

### AUTO DEALERSHIP CHARGERS

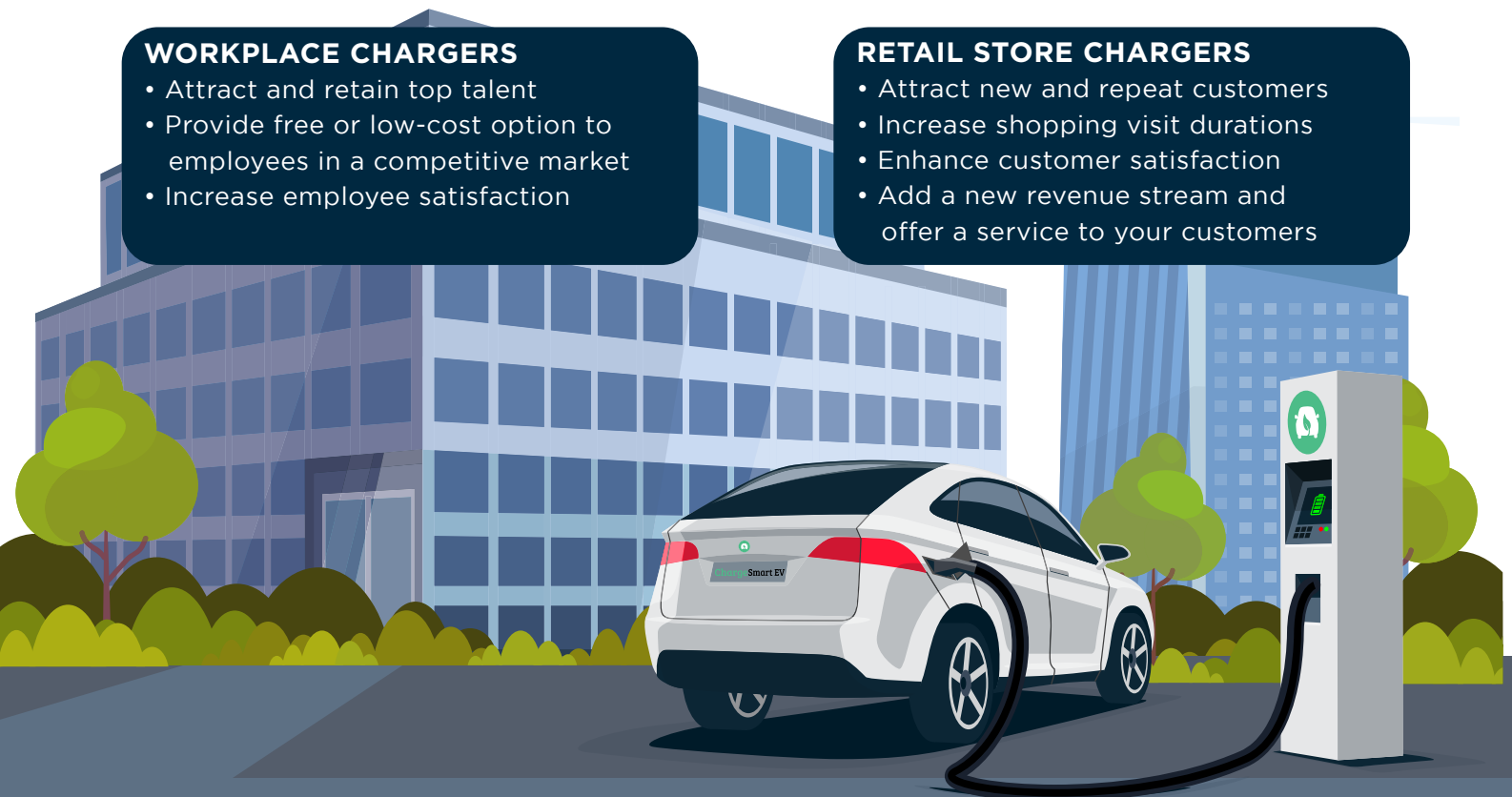
- Optimize operations and future-proof your dealership
- Sell more vehicles by adding EV
- Add a new revenue stream and offer a service to your customers

### WORKPLACE CHARGERS

- Attract and retain top talent
- Provide free or low-cost option to employees in a competitive market
- Increase employee satisfaction

### RETAIL STORE CHARGERS

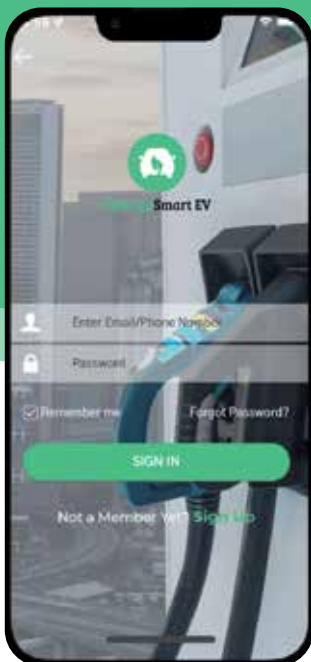
- Attract new and repeat customers
- Increase shopping visit durations
- Enhance customer satisfaction
- Add a new revenue stream and offer a service to your customers



## EV DRIVERS

We make it easy for drivers to find all networked chargers right within the ChargeSmart EV app, so they can find the closest charger to them and quickly charge then get back on the road. We also offer 24/7 support if anyone is ever having issues with our stations.

The ChargeSmart EV app is available on the App Store and Google Play Store, and even offers drivers the option to quickly check out as a guest if they don't have an account.



**DOWNLOAD THE  
"CHARGESMART EV" APP**

**FIND A STATION  
WITHIN THE APP**

**PLUG IN YOUR EV**

**START A SESSION**

**DRIVE**

## MOBILE APP FEATURES

- Real-Time Charger Availability Status
- "Favorite" Stations
- Filter Chargers (AC/DC, Availability, etc)
- View Charging History
- Billing & Accounting
- 24/7 Driver Support
- View Charging Pricing
- Flexible Payment Options
- Reservation & Waitlist
- Specific Charger Location Notes
- Disconnect & Finished Charging Alerts



## OUR PRODUCT OFFERING

ChargeSmart EV offers a comprehensive range of electric vehicle charging solutions. Let the experts here at ChargeSmart EV help determine what charging infrastructure is best for your needs and your customers' needs.

### AC CHARGERS (LEVEL 2)

Level 2 Chargers provide approximately 10-25 miles of range per hour of charging, depending on charger output. All ChargeSmart EV Level 2 chargers utilize the industry standard J1772 plug to offer universal charging to EV drivers. Optional add-ons vary by unit and charger type.



**32A (7.2kW) or 40A (9.6kW)**

**80A (19.2kW)**

#### Available in the following models:

- 32A (7.2kW) Single/Dual Port Pedestal or Wall Mount - Retractors Optional
- 40A (9.6kW) Single/Dual Port Pedestal or Wall Mount - Retractors Optional
- 32A (7.2kW) or 40A (9.6kW) Pro-Lightning Pedestal Mount - Retractors Optional
- 80A (19.2kW) Single/Dual Port Pedestal Mount - Retractors Optional
- 80A (19.2kW) Single Port Wall Mount - Retractors Optional

## DC FAST CHARGERS (LEVEL 3/DCFC)

DC Fast Chargers (Level 3) provide a nominal charge (20% to 80%) in approximately 15-30 minute depending on charger output and vehicle battery capacity. Optional add-ons vary by unit and charger type.



### 30kW Wallbox

### 60kW - 360kW Chargers

#### Available in the following models:

- 30kW Wallbox - CCS1 Plug
- 60kW, 120kW, 160kW, 180kW (Air-Cooled Units)
  - CCS1/CCS1 or CCS1/CHAdEMO Plugs
  - Optional Credit Card Reader
  - Cable Retractors Included
- 180kW, 240kW, 300kW, 360kW (Liquid-Cooled Units)
  - CCS1/CCS1 or CCS1/CHAdEMO Plugs
  - Optional Credit Card Reader
  - Cable Retractors Included

*NOTE: NACS plugs will be phased into the industry by 2025, via an adapter on an existing plug head or replacing an existing cable on DCFC units.*





# COMMERCIAL LEVEL 2 SERIES 32A & 40A

Multiple configurations & mounting options make our Level 2 EV chargers the most versatile series in the ChargeSmart EV line-up.



ChargeSmart EV



## SLIM & DURABLE DESIGN

- **Outdoor rated** with multiple mounting configurations
- **Small footprint** whether wall or pedestal mounted

## 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**  
Non-networked model with RFID-card access control
- **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

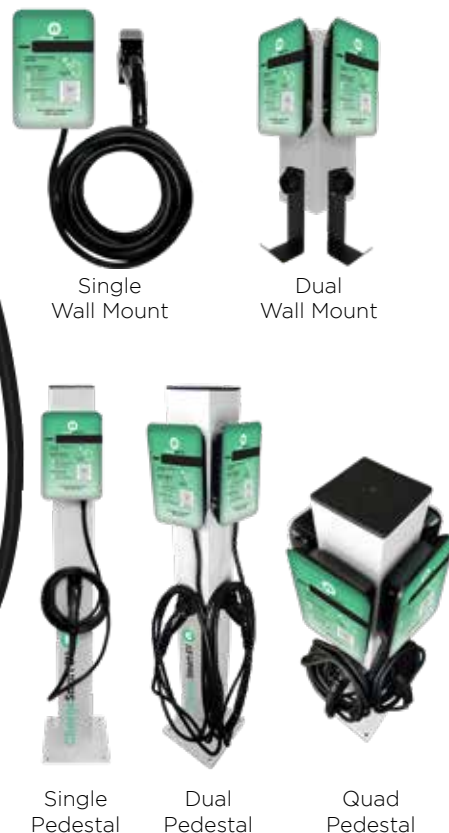
## CABLE RETRACTOR

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

## LEVEL 2 CHARGING STATION

- **Up to 10x faster** than a standard 110v plug, the Level 2 Series safely delivers up to 35 miles of driving range for every hour of charge time
- **Adjustable** output allows for the ideal power to match your supply panel, electric vehicle, and driving range.
- **3-Year Standard Parts Warranty**  
(3-Year or 5-Year Parts & Labor Warranty Optional)

## MOUNT CONFIGURATIONS

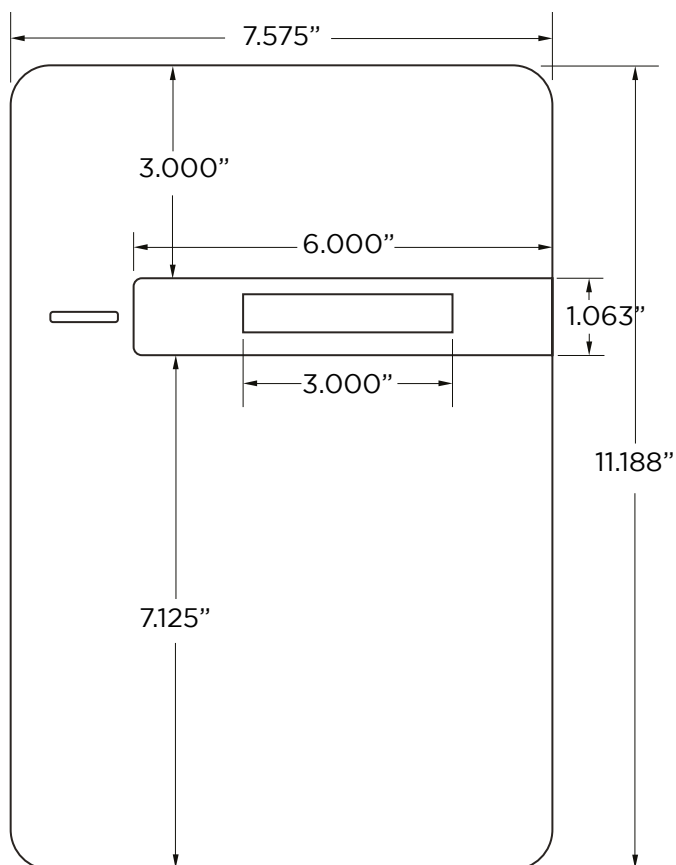


**UL-Listed** meets safety criteria for use in North America

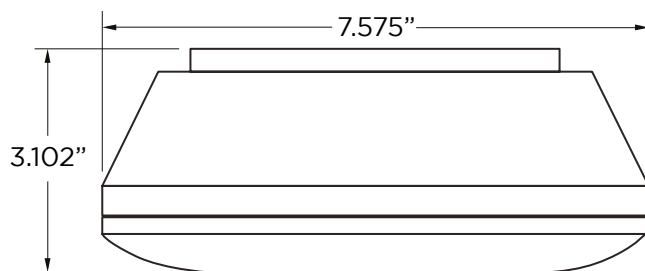


**Meets** standards for Americans with Disabilities Act

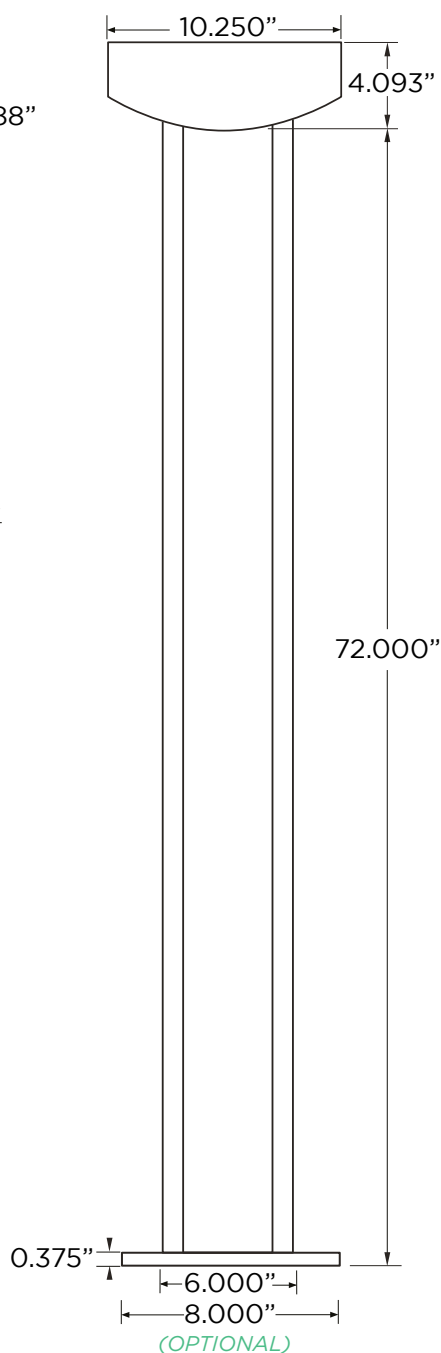
*Station Shown:  
Dual Retractor  
Pedestal Mount*



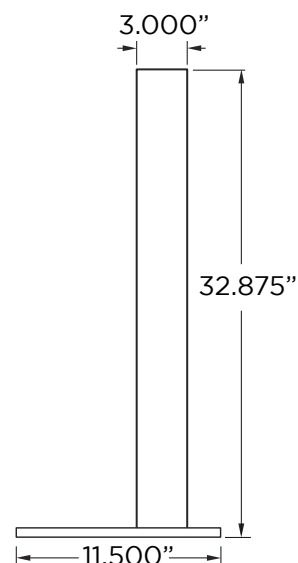
**CHARGER FRONT**



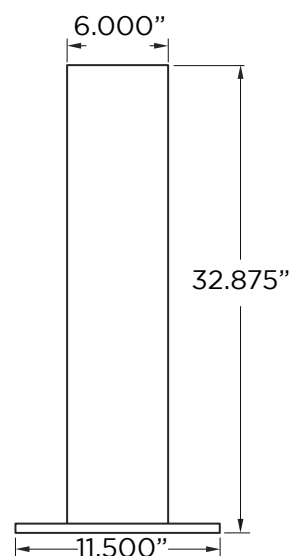
**CHARGER TOP**



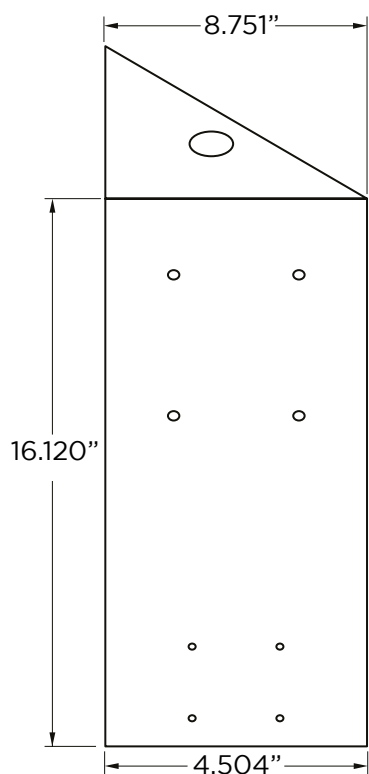
**RETRACTOR  
SINGLE / DUAL**



**3x6x32 PEDESTAL  
SIDE VIEW**



**3x6x32 PEDESTAL  
FRONT/BACK VIEW**

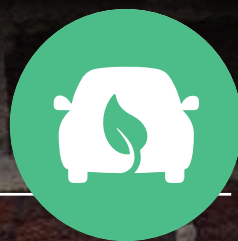


**DUAL MOUNT BRACKET**

CONFIGURATION	OPEN-ACCESS	RFID ACCESS / WI-FI	NETWORKED
APPLICATION	COMMERCIAL		
VOLTAGE (VAC)	208/240VAC, Single Phase		
FREQUENCY (Hz)	60 Hz		
CURRENT (RMS)	32A / 7.6 kW    40A / 9.6kW		
CIRCUIT BREAKER	16A=20A / 24A=30A / 32A=40A / 40A=50A		
CHARGING CONNECTOR	SAE J1772		
CHARGING CABLE LENGTH	18 ft.		
METERING ACCURACY	N/A	Embedded ±3%	
REAL-TIME CLOCK	N/A	Yes (7 Days)	
WI-FI	N/A	802.11 b/g/n	
CELLULAR		N/A	LTE / CDMA / GSM
ETHERNET	N/A	Available with 40A/9.6kW	
RFID	N/A	ISO 14443 A/B ISO 15693 NFC NEMA Inoperability Protocol	
DISPLAY	Color LED Status Lights	116(L)*8.5(w)*37(H)mm, 5.57mm CHARACTER HEIGHT 5*8 DOT MATRIX OLED 20x2 Color LED Status Lights	
DATA PROTOCOL	N/A	OCPP 1.6J	
OPERATION TEMPERATURE	-30°C/-22°F to 50°C/122°F		
STORAGE TEMPERATURE	-40°C/-40°F to 70°C/158°F		
MOUNTING TYPE	Wall/Pedestal Mount		
STORAGE TEMPERATURE	-40°C/-40°F to 70°C/158°F		
IP PERFORMANCE	NEMA 4		
DIMENSION (LxWxH, INCHES)	11.14 x 7.56 x 3.11”		
IP PERFORMANCE	NEMA 4		
IMPACT RESISTANCE	IK10		
WEB PORTAL MANAGEMENT	N/A	Yes	
CERTIFICATION	UL 50/991/1449/1998/2231/2594 FCC Part 15B		
	N/A	FCC Part 15.225 (RFID 13.56MHz) FCC Part 15.247 (WLAN 2.4GHz)	
	N/A		FCC Part 27 (AT&T) FCC Part 27 (Verizon)
PEDESTAL DIMENSIONS	3 x 6 x 32.875”		
PEDESTAL CONSTRUCTION	Aluminum, Grey Powder-Coat Finish (RAL 7035), Stainless Steel Hardware		
WARRANTY	3-Year Standard Parts Warranty		
EXTENDED WARRANTY	5-Year Parts Warranty, 3-Year or 5-Year Parts+Installation Warranty (Optional)		



# ChargeSmart EV



## COMMERCIAL LEVEL 2 SERIES 80A

The 80A charging station is the most powerful Level 2 EV charger in the ChargeSmart EV 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 Standard Parts Warranty** (3-Year or 5-Year Parts & Labor Warranty 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



Dual  
Pedestal



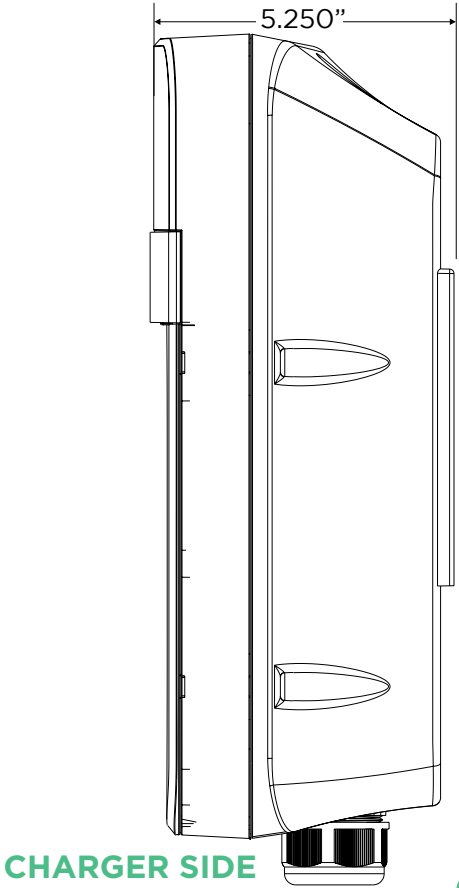
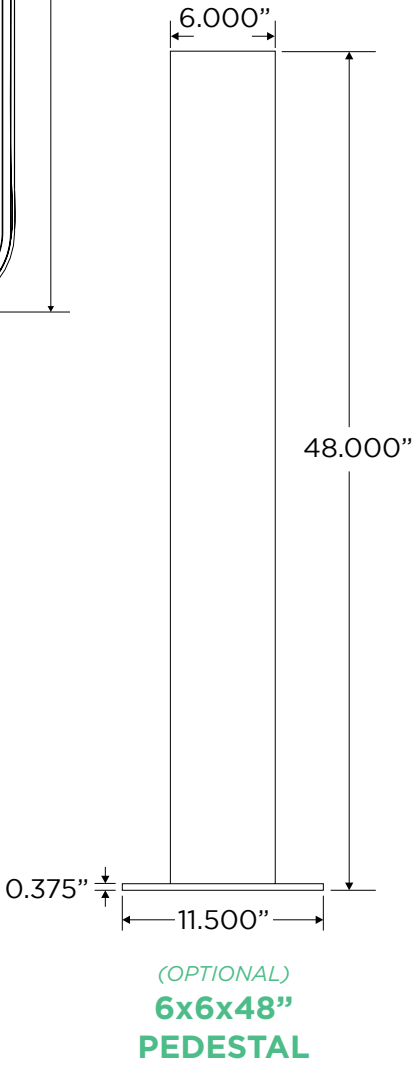
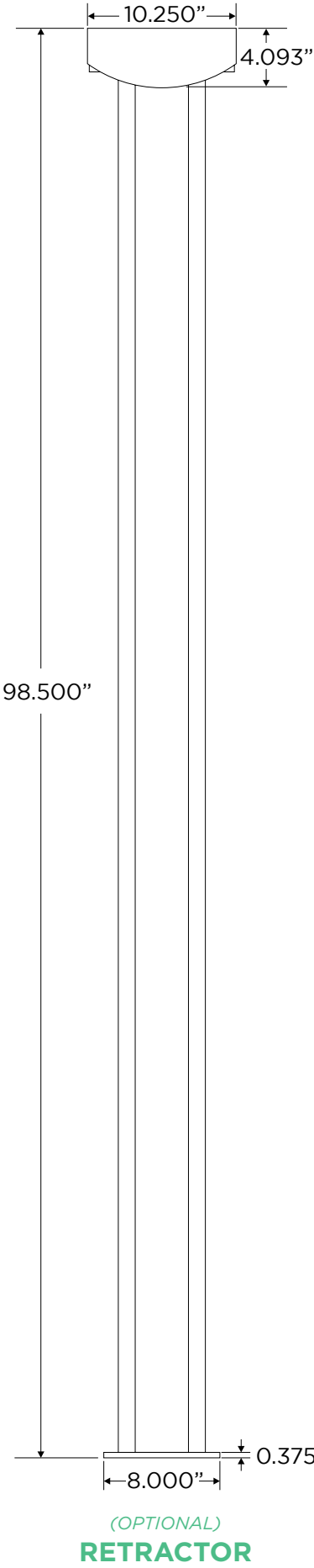
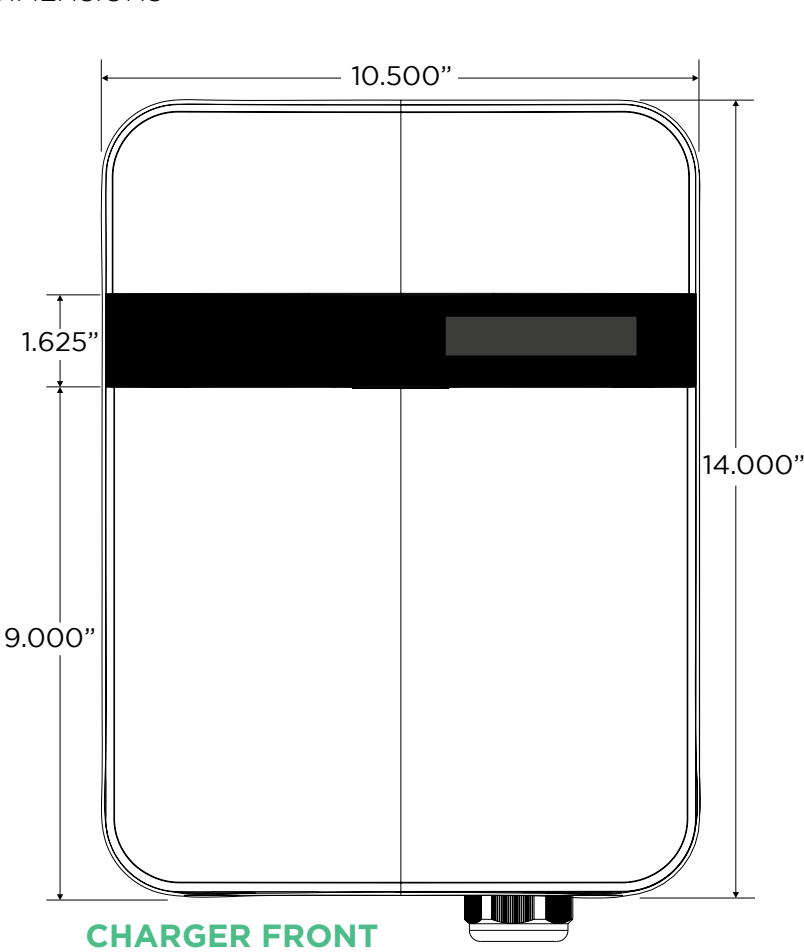
Station Shown:  
Single Retractor  
Pedestal Mount



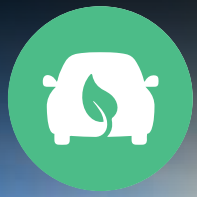
**UL-Listed** meets safety criteria for use in North America



**Meets** standards for Americans with Disabilities Act



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 (16.8mm²) 1/C 6AWG (13.3mm²) 1/C 16AWG (1.31mm²) 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 Standard Parts Warranty		
EXTENDED WARRANTY	5-Year Parts Warranty, 3-Year or 5-Year Parts+Installation Warranty (Optional)		



# ChargeSmart EV

## COMMERCIAL DC FAST CHARGERS

60kW

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 500VDC 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

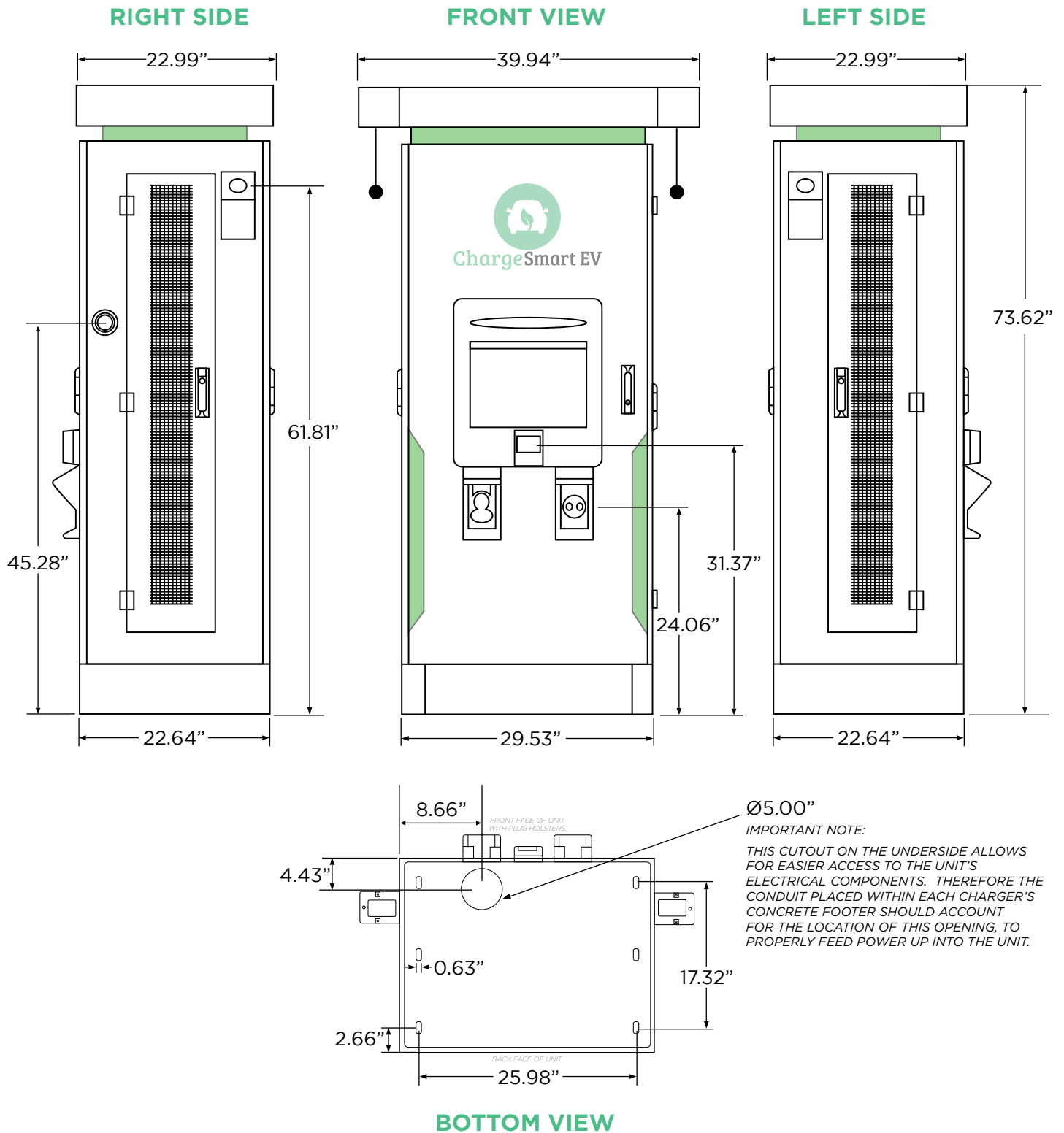
## HEAVY DUTY

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

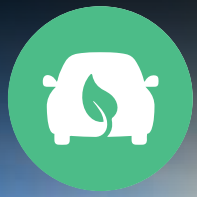


**UL-Listed** meets  
safety criteria for use  
in North America

PLEASE NOTE: ALL DIMENSIONS BELOW ARE SHOWN IN INCHES



CONFIGURATION	CSEV-TP3-60-480	CSEV-TP5-60-480
Input	480VAC (3P+N+PE)    60Hz	
Output Voltage	150-500VDC	150-1000VDC
Output Current	0 to 150A	
FLA    Breaker Rating	80A    100A	
Connectors	CCS1 CCS1 and CCS1 CCS1 and CHAdeMO	
Cyclic Charge Mode	CCS1 -150A    CHAdeMO -125A	
Parallel Charge Mode <i>(Optional)</i>	30 kW per Port	
Efficiency	≥94% at nominal output power	
Power Factor	>0.98	
Display	10" touch screen	
Access Control	RFID : ISO/IEC 14443A/B   Credit Card Reader (Optional)	
Metering	DC kWh meter per each connector	
Operating Temperature	-22°F to 131°F (-30°C to 55°C)	
Altitude	6500' (2000m)	
Working    Storage Humidity	≤ 95% RH    ≤ 99% RH (Non-condensing)	
Dimensions (L x D x H)	29" x 19" x 72"	
Protective Class	NEMA 3S (IP54), IK10	
Cooling System	Air cooling fans	
Weight	530 lbs (240kgs)	
Compliance	UL and CE Certified	
DC Charge System	Mode 4 -IEC-61851, ISO-15118, DIN 70121 Mode 4 -CHAdeMO 0.9, 1.0	
Charging Cable	16ft (5m), Cable Retractor Included	
Communication    Protocol	Ethernet, 4G/WiFi    OCPP 1.6J	
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

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

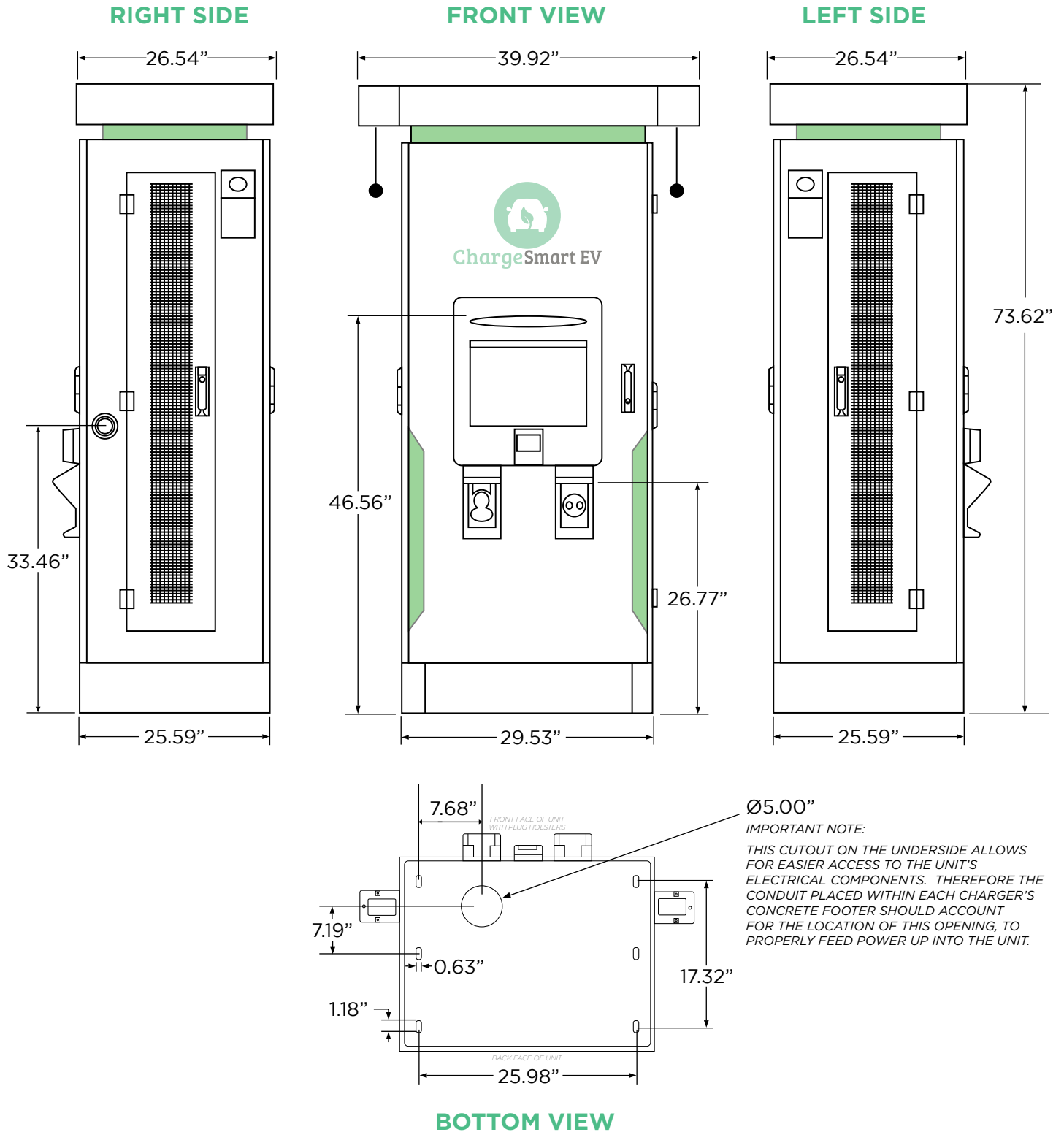
## HEAVY DUTY

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

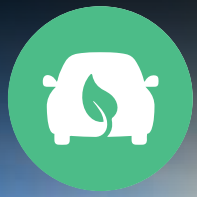


**UL-Listed** meets safety criteria for use in North America

PLEASE NOTE: ALL DIMENSIONS BELOW ARE SHOWN IN INCHES



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

160kW

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

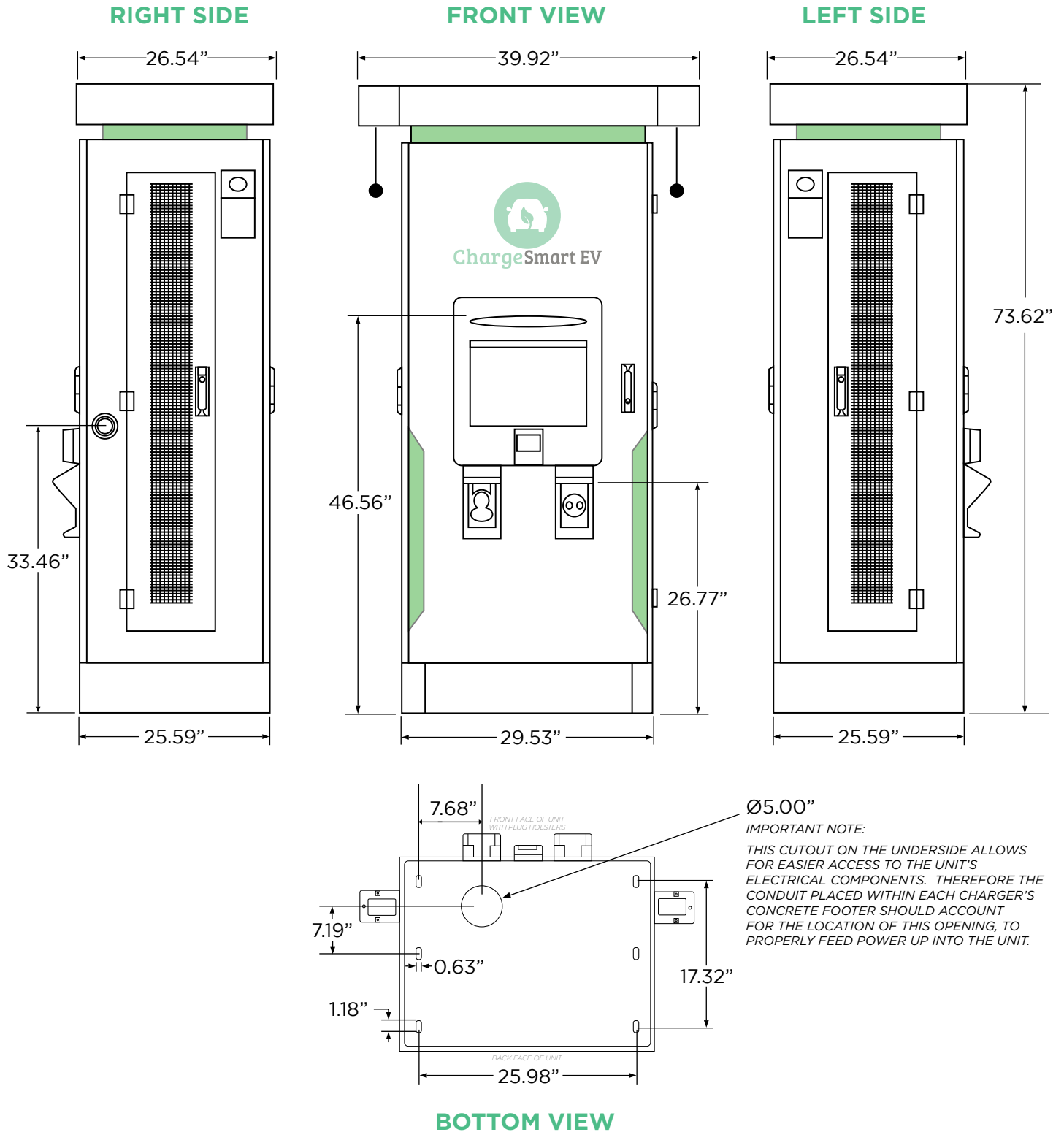
- **Commercial** grade charging station cabinet
- **Rated** NEMA 3S (IP54), IK10



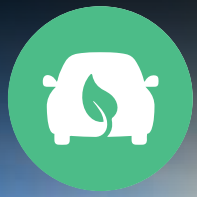
**UL-Listed** meets safety criteria for use in North America



PLEASE NOTE: ALL DIMENSIONS BELOW ARE SHOWN IN INCHES



CONFIGURATION	CSEV-TP5-160-480	CSEV-HPC-160-480
Input Voltage	480V (3P + N + PE), 60Hz	
Output Voltage	150-1000 VDC	
Max Output Current	Up to 200A per Connector	Up to 400A per Connector
FLA    Breaker Rating	215A    300A	
Power Factor	>0.98	
Efficiency	≥94% at nominal output power	
Connector Options	CCS1 and CCS1 CCS1 and CHAdeMO	CCS1 CCS1 and CCS1 CCS1 and CHAdeMO
CHAdeMO Cable	125A (Standard) Or 200A	
CCS Cable	200A	400A Liquid Cooled
Charging Protocol Standards	Mode 4, IEC-61851, ISO-15118, DIN 70121    Mode 4, CHAdeMO 0.9, 1.0	
Cycle Mode	1 x 160kW (Max : 200A)	1 x 160kW (Max : 400A)
Parallel Mode	2 x 80kW	2 x 80kW
Connector Cable Length	CCS - 16ft (5m) CHAdeMO - 16ft (5m)	CCS - 13ft (4m) CHAdeMO- 16ft (5m)
Cable Management	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 (IP54), IK10	
Operating Temperature	-22°F to 131°F (-30°C to 55°C )	
Altitude	< 6600ft (2000m)	
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	
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	
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

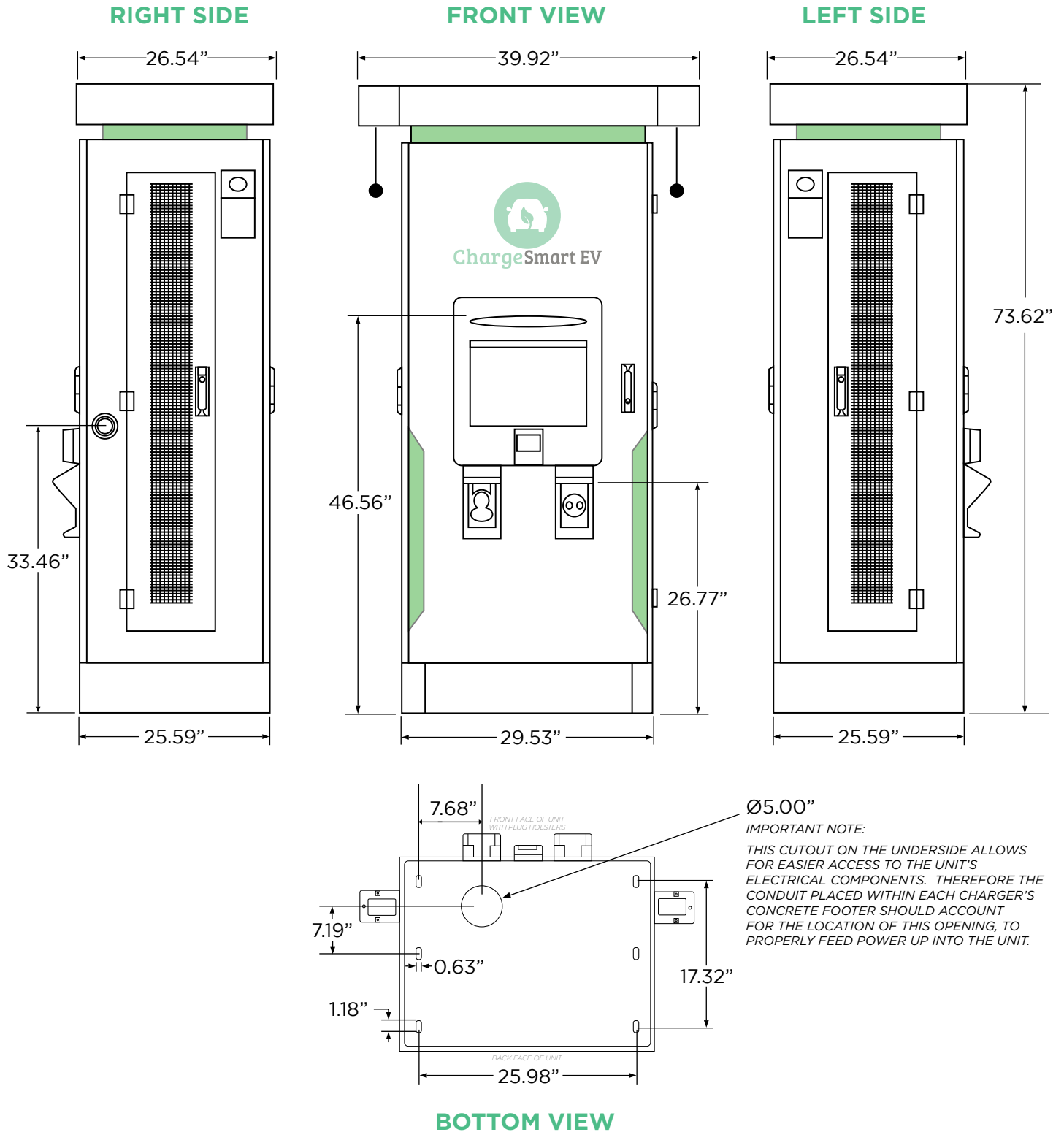
- **Commercial** grade charging station cabinet
- **Rated** NEMA 3S (IP54), IK10



**UL-Listed** meets safety criteria for use in North America



PLEASE NOTE: ALL DIMENSIONS BELOW ARE SHOWN IN INCHES



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)	





## CONTACT US


5 Southside Drive, Suite 11-184  
Clifton Park, NY 12065  
(888) 717-4544

***Check us out on social media to stay up to date on the latest ChargeSmart EV news!***

 [LinkedIn.com/company/ChargeSmart-EV](https://www.linkedin.com/company/ChargeSmart-EV)

 [Facebook.com/ChargeSmartEV](https://www.facebook.com/ChargeSmartEV)

 [Instagram.com/ChargeSmartEV](https://www.instagram.com/ChargeSmartEV)

 @ChargeSmartEV on YouTube



ChargeSmart EV is a turnkey business solution for your EV charging needs.

[www.chargesmartev.com](http://www.chargesmartev.com)