



# ChargeSmart EV

*Driving Our Customers into the Future*



## Level 2 and DCFC Product Brochure

March 2024 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 business solution exclusively focuses on installing electric vehicle charging stations for customers in every industry. Let ChargeSmart 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 5-step 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.



## Implementation

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



## Applications

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



## 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

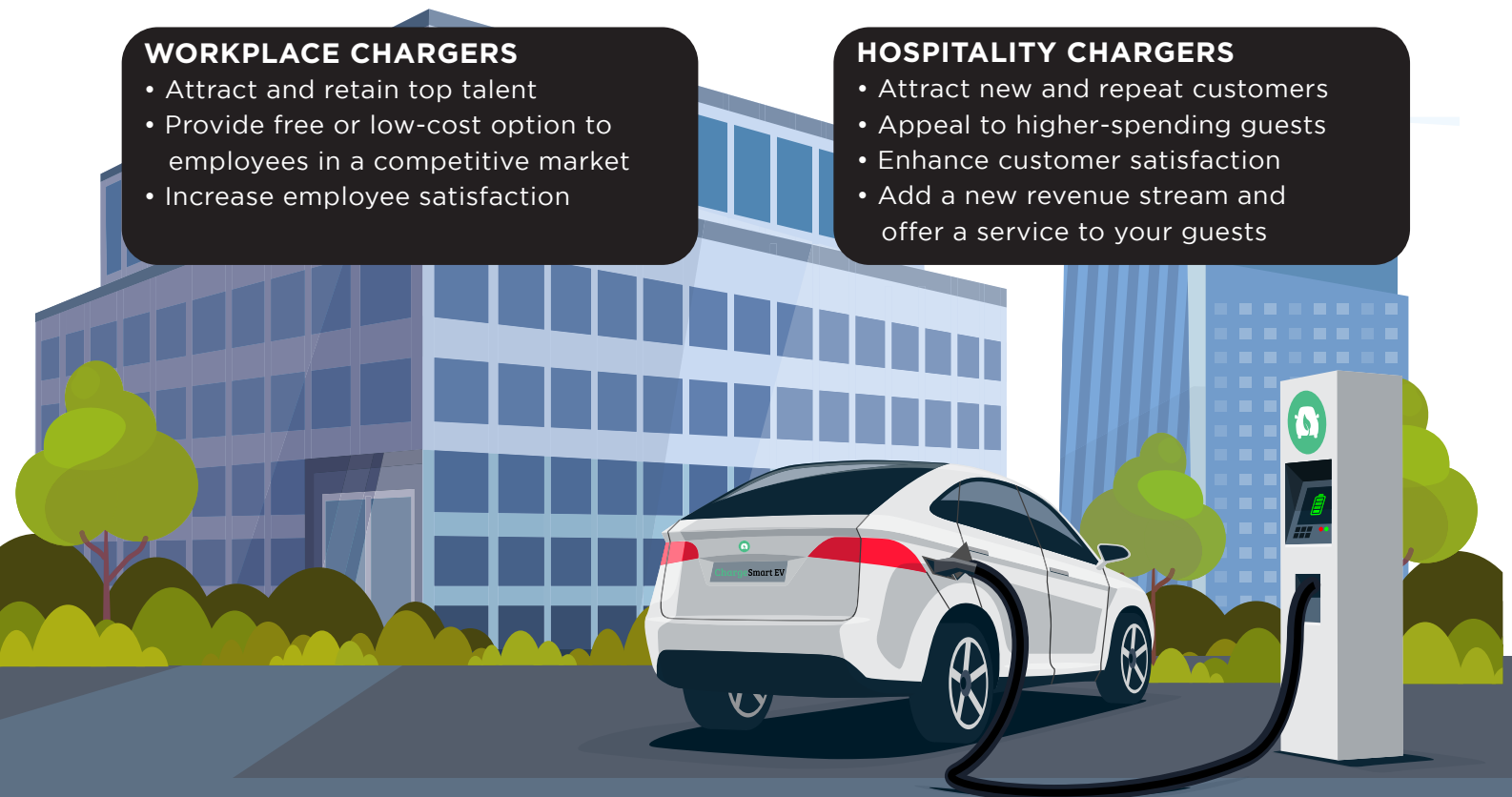
- Optimize operations and future-proof your dealership
- Sell more vehicles by adding EV
- Add a new revenue stream and offer a service to your customers

### WORKPLACE CHARGERS

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

### HOSPITALITY CHARGERS

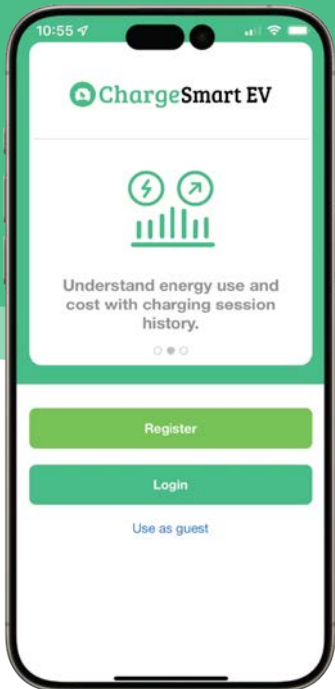
- Attract new and repeat customers
- Appeal to higher-spending guests
- Enhance customer satisfaction
- Add a new revenue stream and offer a service to your guests



# 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  
"CSEV" 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 | 40A | 48A | 80A ENERGY SERIES + 40A | 50A | 80A MAXICHARGER™ SERIES

#### **ENERGY SERIES chargers (retractors optional on most models):**

- 32A (7.2kW), 40A (9.6kW), or 48A (11.5kW) in a Single or Dual Port Configuration
  - Pedestal Mount or Wall Mount
- 80A (19.2kW) Single or Dual Port Configuration - Pedestal Mount
- 80A (19.2kW) Single Port Configuration - Wall Mount

#### **MAXICHARGER™ AC SERIES chargers:**

- AC ELITE - 50A (12kW) Single Port Configuration - Wall Mount Standard (optional Pedestal sold)
- AC ULTRA - 80A (19.2kW) Dual Port Configuration - Pedestal Mount or Wall Mount

## 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.



### MAXICHARGER™ DC FAST chargers:

- 60kW PLATFORM (60kW - 120kW)
  - Add up to 3 additional 20kW modules
  - 60kW, 80kW, 100kW, or 120kW output depending on configuration or number of modules added
  - Available with CCS1/CCS1 or CCS1/CHAdeMO connectors
- 140kW PLATFORM (140kW - 240kW)
  - Add up to 5 additional 20kW modules
  - 140kW, 160kW, 180kW, 200kW, 220kW, or 240kW output depending on configuration or number of modules added
  - Available with CCS1/CCS1 (Boost - 400A Cables) or CCS1/CHAdeMO connectors



**60kW - 120kW or 140kW - 240kW  
MAXICHARGER™ DC FAST SERIES**

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



# ChargeSmart EV

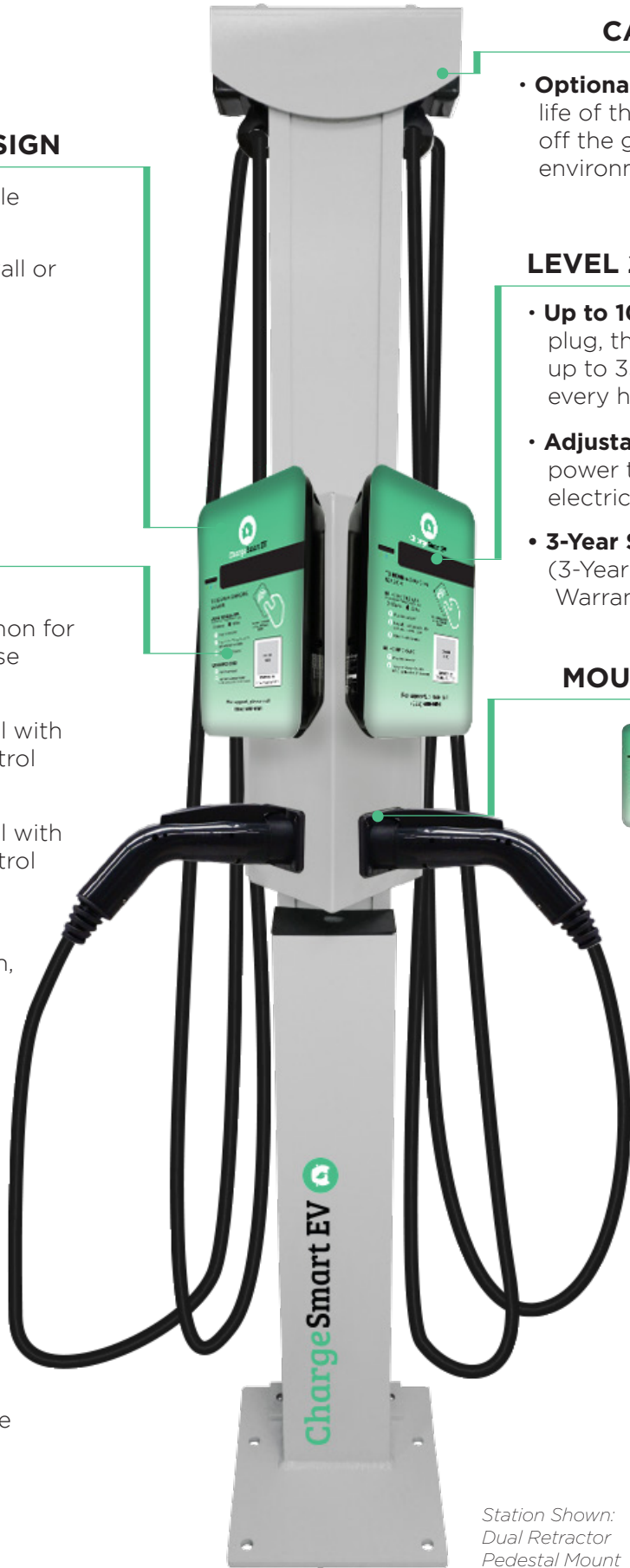
## COMMERCIAL LEVEL 2 SERIES 32A & 40A

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

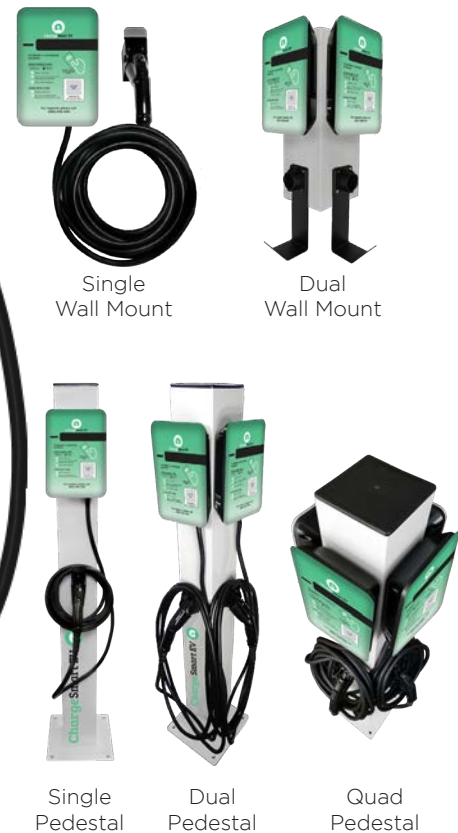
### CABLE RETRACTOR

- **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



Single Wall Mount

Dual Wall Mount

Single Pedestal

Dual Pedestal

Quad Pedestal

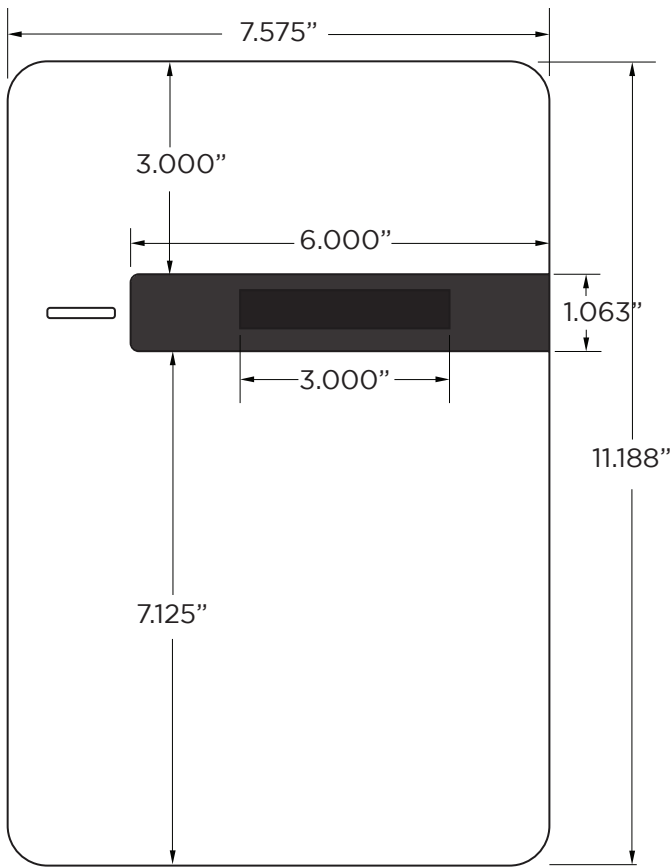
Station Shown:  
Dual Retractor  
Pedestal Mount



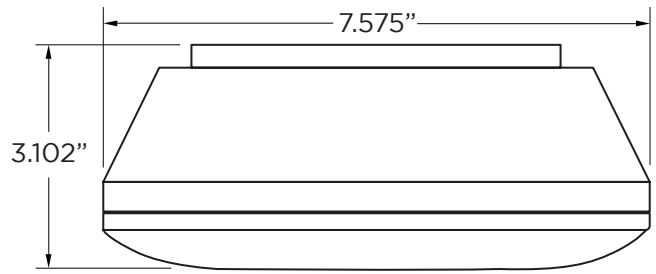
**UL-Listed** meets safety criteria for use in North America



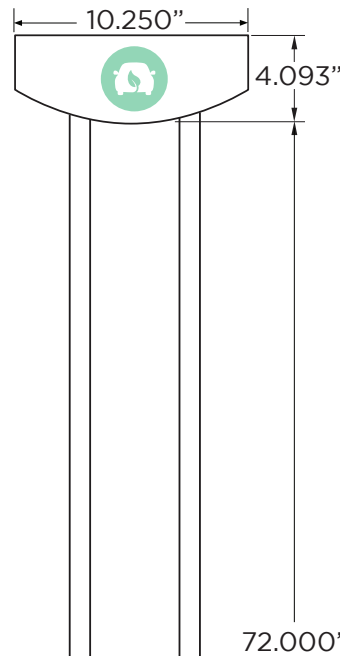
**Meets** standards for Americans with Disabilities Act



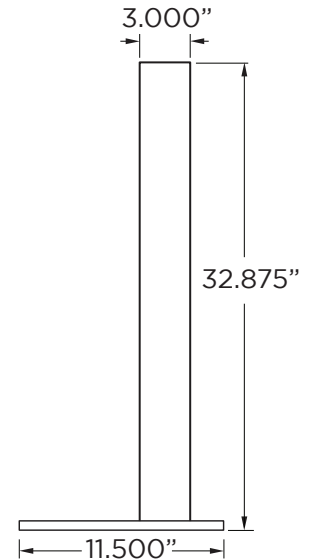
**CHARGER FRONT**



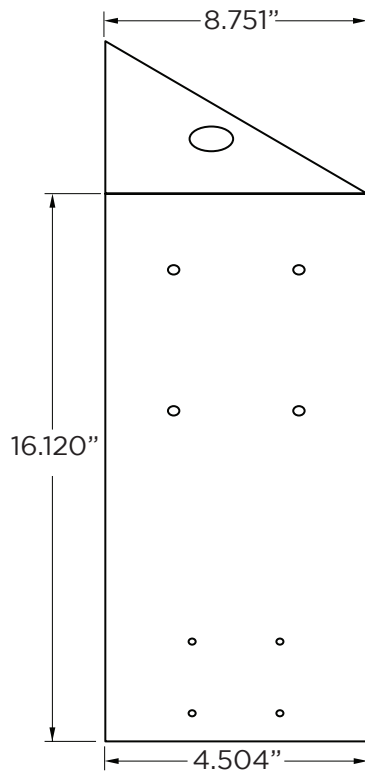
**CHARGER TOP**



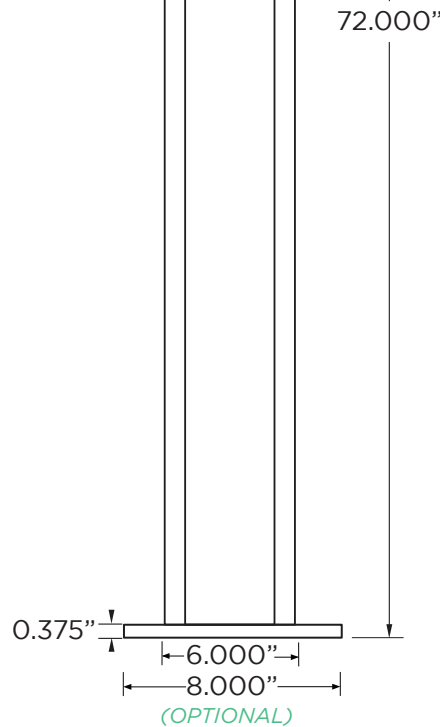
**RETRACTOR  
SINGLE / DUAL**



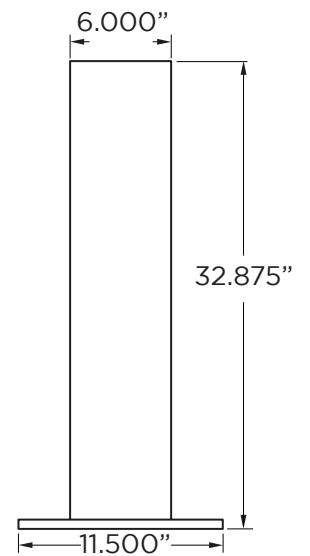
**3x6x32 PEDESTAL  
SIDE VIEW**



**DUAL MOUNT BRACKET**



**RETRACTOR  
SINGLE / DUAL**



**3x6x32 PEDESTAL  
FRONT/BACK VIEW**

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

48A

Multiple configurations & mounting options make our Level 2 EV chargers the most versatile series 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
- **Creates a safer** environment by greatly reducing tripping hazards
- **Available in 72" or 95"**
  - 72" for cables up to 18'
  - 95" for cables up to 20'

## 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**
- **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

## LEVEL 2 CHARGING STATION

- **Level 2 AC Charger** with 48A capabilities is designed for North America and provides a shorter charging time than 16A or 32A EVSE
- **Adjustable** 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)

## MOUNT CONFIGURATIONS



Single Wall Mount



Dual Wall Mount



Single Pedestal



Dual Pedestal



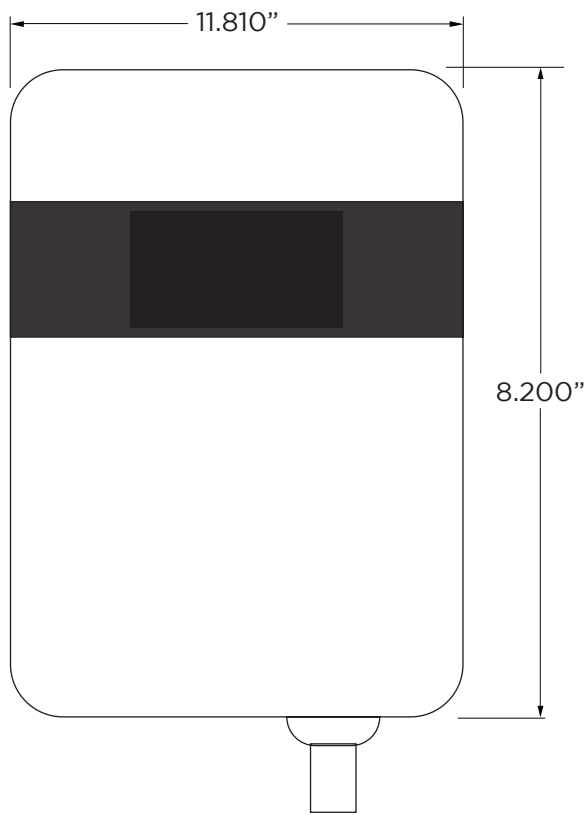
\* Shown as Dual Pedestal w/  
integrated cable retractor  
(single configuration available)



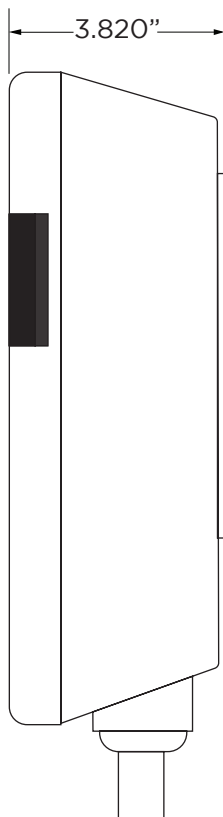
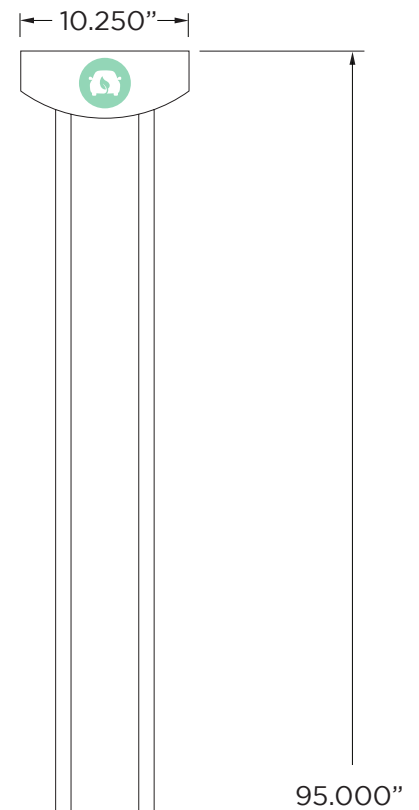
**UL-Listed** meets safety criteria for use in North America



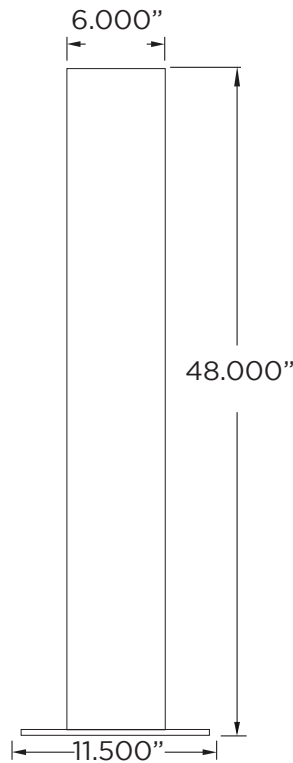
**Meets** standards for Americans with Disabilities Act



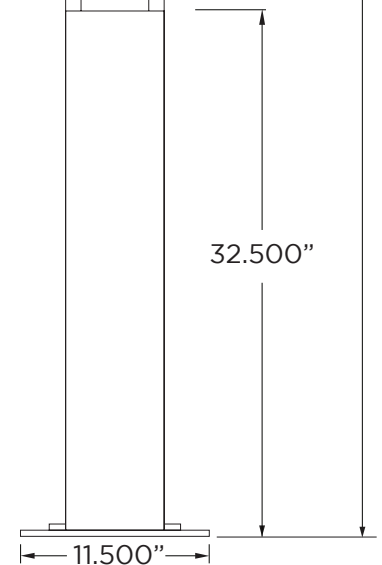
**CHARGER FRONT**



**CHARGER SIDE**



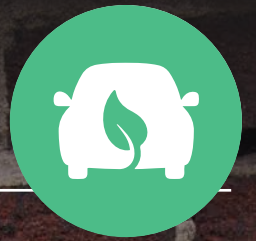
*(OPTIONAL)*  
**6x6x48 PEDESTAL  
FRONT/SIDE VIEW**



*(OPTIONAL)*  
**RETRACTOR  
SINGLE / DUAL**

CONFIGURATION	SC_48A	SC+_48A	IC_48A
APPLICATION	COMMERCIAL		
VOLTAGE (VAC)	208/240VAC (-20% ~ + 15%), Single Phase		
FREQUENCY (Hz)	60 Hz		
CURRENT (RMS)	Max. 48 A		
CHARGING CONNECTOR	SAE J1772 Type 1		
INDICATIONS	LED Status Indicator		
WIFI	N/A	802.11 b/g/n/ac	
ETHERNET	N/A	YES	
CELLULAR	N/A		M2M connection (LTE CAT1)
RFID	N/A	ISO 14443 A/B, ISO 15693, Felica, ISO 18092 <i>Optional: Apple Vas / Google Tap</i>	
DISPLAY	3.5" LCD Display with 550 nits luminance		
DATA PROTOCOL	OCPP 1.6 & 2.0 JSON		
OPERATION TEMPERATURE	-22° to -122°F (-30° ~ 50°C)		
STORAGE TEMPERATURE	-40 to 176°F (-40 ~ 80°C)		
MOUNTING TYPE	Wall Mount / Pedestal Mount ( <i>optional</i> )		
WIRING TYPE	Hardwired		
ENCLOSURE LEVEL	NEMA 4		
IMPACT RESISTANCE	IK10		
DIMENSION (H X W X D)	8.19 x 11.81 x 3.82 in (208 x 300 x 97 mm)		
WEB PORTAL MANAGEMENT	YES		
OPERATING HUMIDITY	5% to 95%, non-condensing		
OPERATING ALTITUDE	0 to 11482 ft (0 to 3500m)		
CERTIFICATIONS	UL 1998/2231/2594 FCC Part 15B/Energy Star		
	FCC Part 15.247 (WLAN 2.4 GHz)	FCC Part 15.225 (RFID 13.56 MHz) FCC Part 15.247 (WLAN 2.4 GHz)	FCC Part 15.225 (RFID 13.56 MHz) FCC Part 15.247 (WLAN 2.4GHz)
	ISO 15118 (all models)		
	N/A		FCC Part 22/24/27
	CTEP		
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.



For support, please call  
(855) 699-9191



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

### 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

### 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)

### MOUNT CONFIGURATIONS



Single Wall Mount



Single Pedestal



Dual Retractor Pedestal



Dual Pedestal



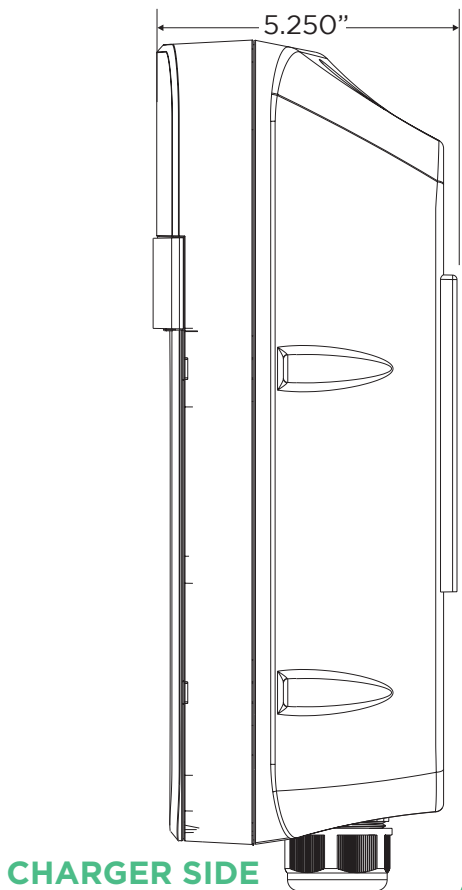
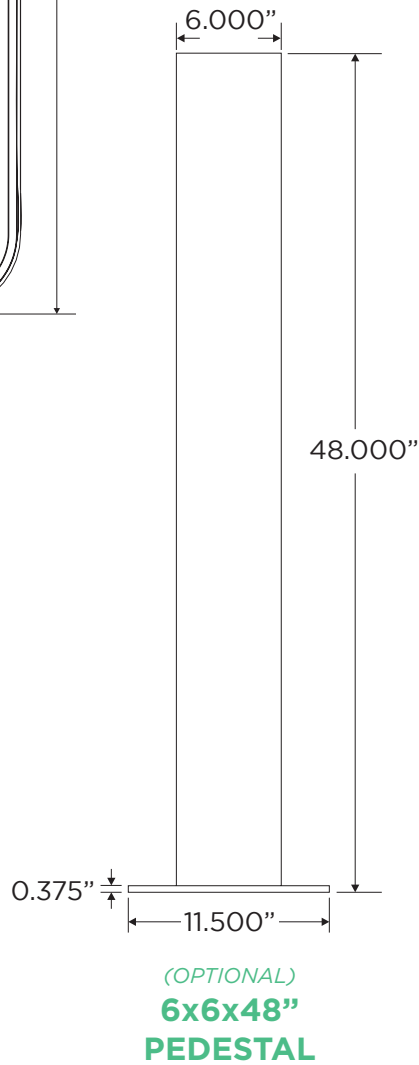
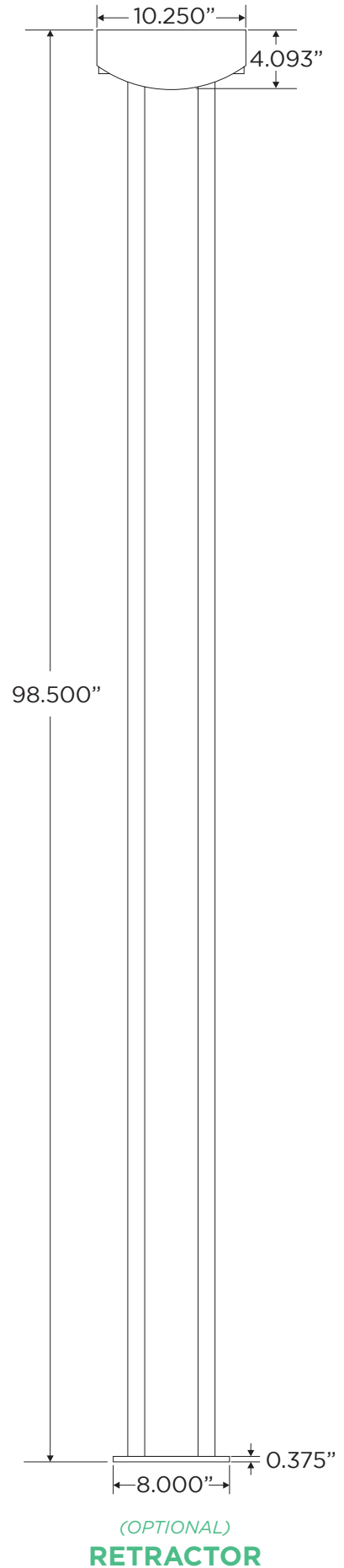
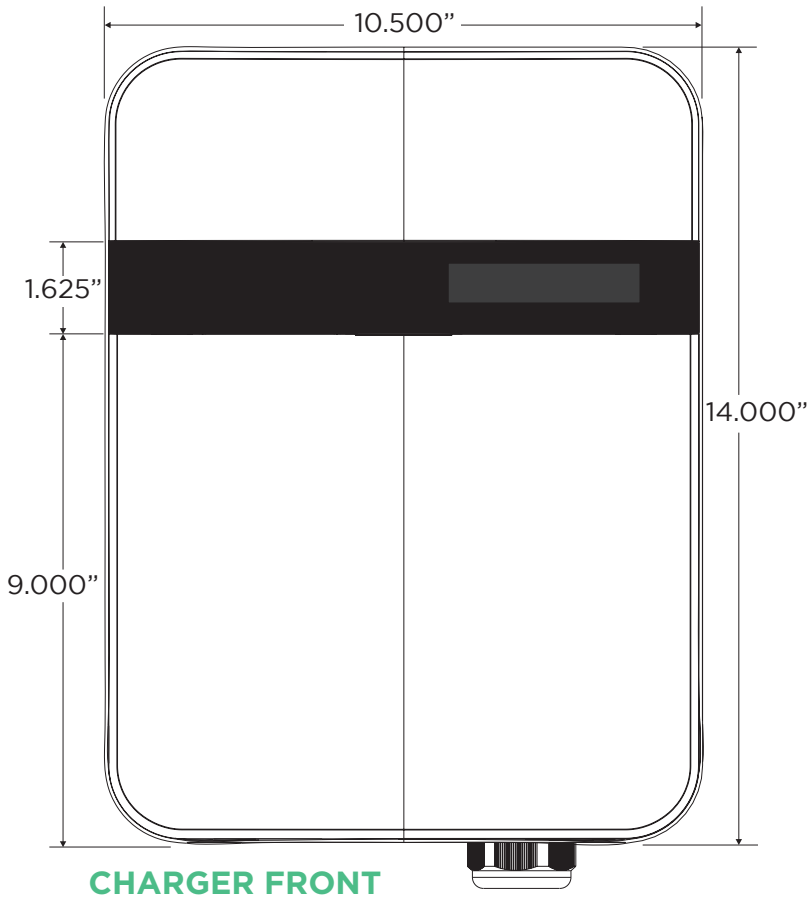
Station Shown:  
Single Retractor Pedestal Mount



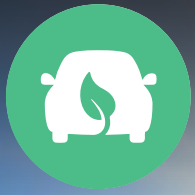
**UL-Listed** meets safety criteria for use in North America



**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 (16.8mm <sup>2</sup> ) 1/C 6AWG (13.3mm <sup>2</sup> ) 1/C 16AWG (1.31mm <sup>2</sup> ) 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 ISO 15118 (all models)		
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

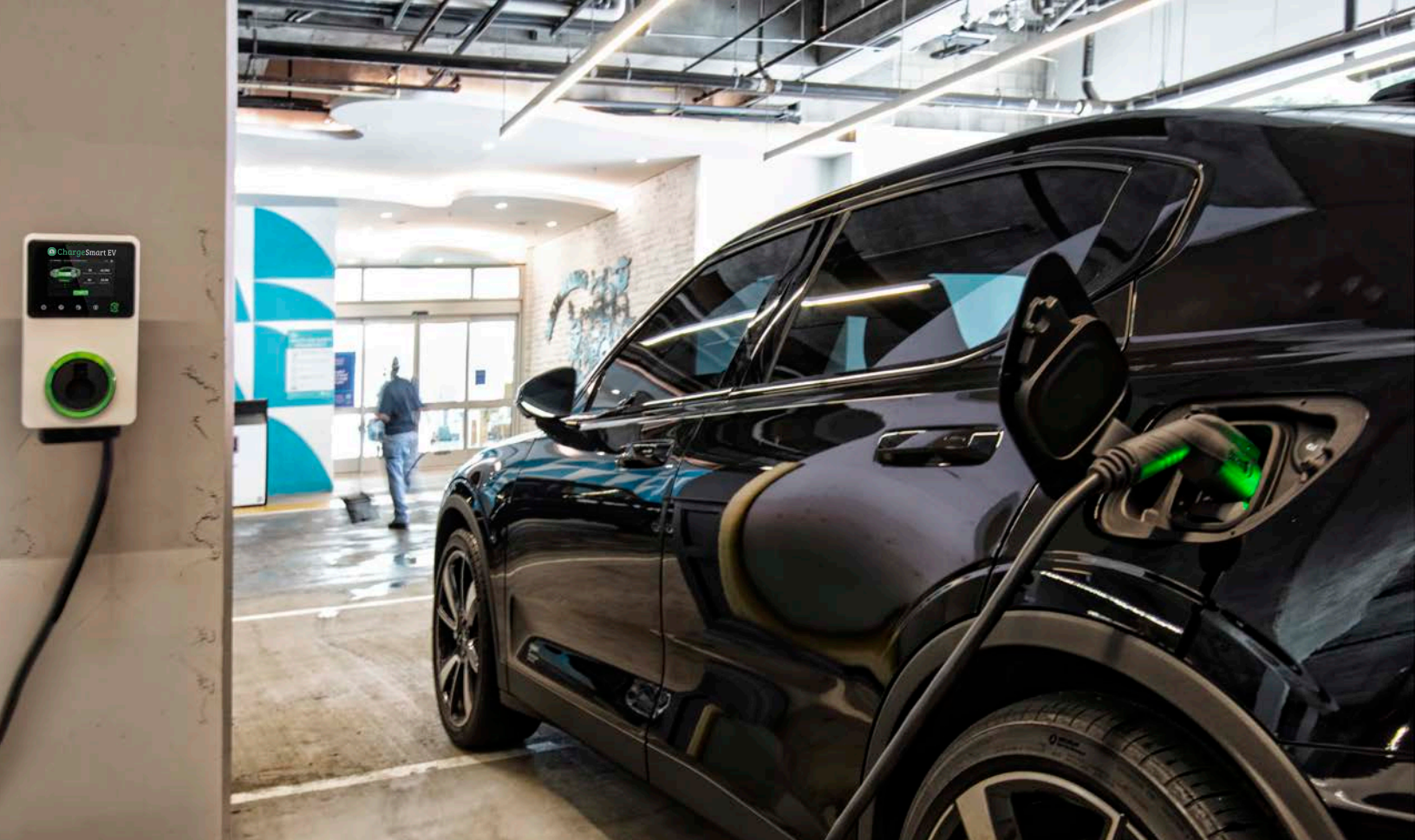
## COMMERCIAL MAXICHARGER™ AC ELITE

50A

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



ChargeSmart EV



# MAXICHARGER™ ACELITE BUSINESS

## LEVEL 2 ELECTRIC VEHICLE CHARGER

As the demand for EV charging continues to grow, ChargeSmart EV offers a variety of solutions for commercial applications. With ChargeSmart EV commercial charging, you can now appeal to a broader market, provide convenient solutions for EV drivers, and adapt to their needs effortlessly.

### **FAST COMMERCIAL AC CHARGING** CHARGE FASTER AND MORE EFFICIENTLY

- Up to a maximum of 50A, creating 12kW of power for increased charging speed
- 9X faster than a traditional AC home charger
- Can be adjusted through a hardware switch or the APP

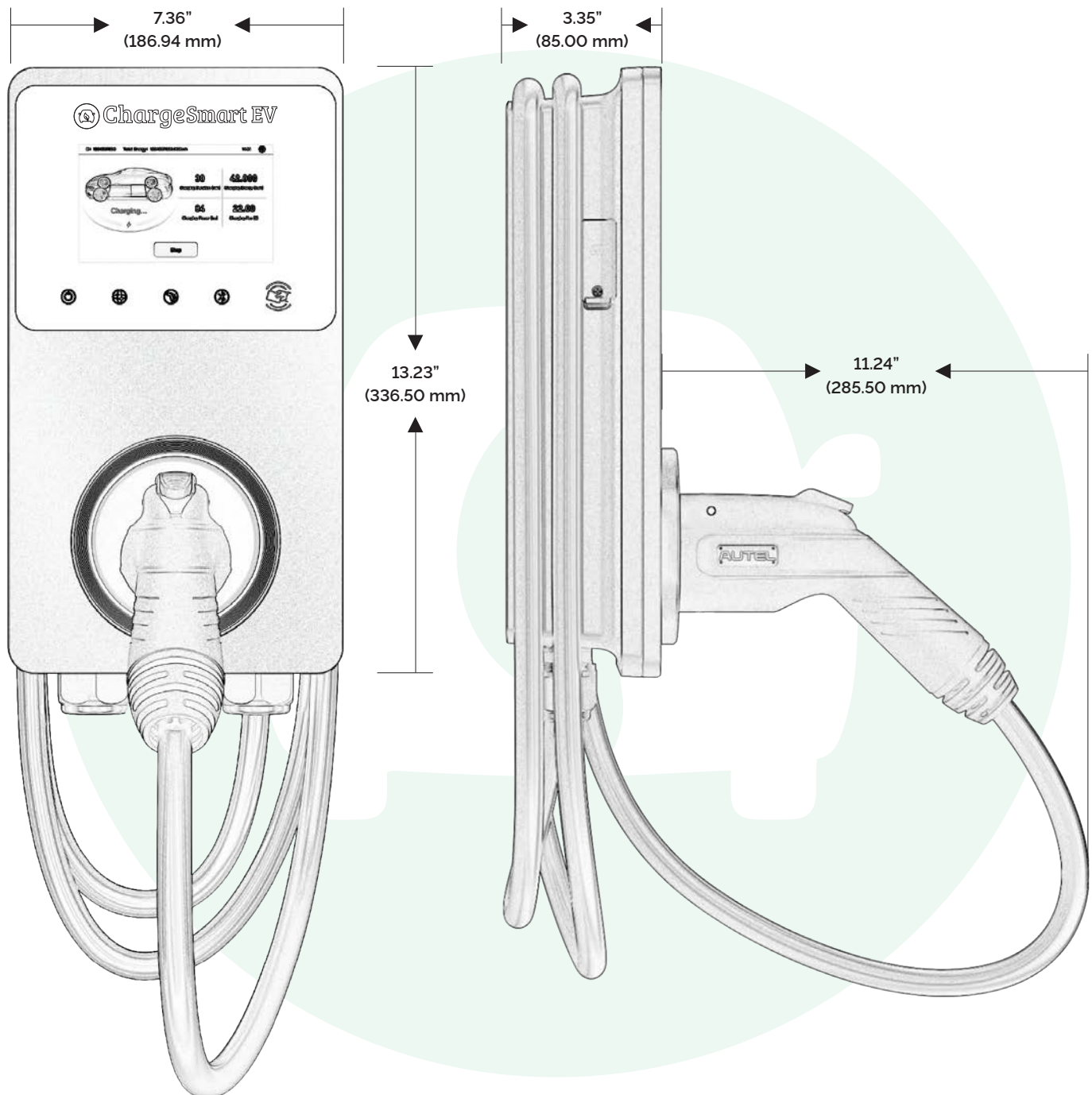
### **HIGH RELIABILITY AND DURABILITY** BUILT TO LAST

- Evaluated and tested to UL standards
- Tested to IK10 High impact resistance
- NEMA 4 weather protection exterior rated for all-weather use
- Capable of charging at full power between -40°F to 133°F

### **CLOUD BASED SMART CHARGING** HIGH CONVENIENCE

- Connected to the cloud, an easy way to control, monitor and run your business
- In real time dynamically balance energy to reducing electricity costs
- Easy to maintain





## ELECTRICAL

INPUT/OUTPUT POWER RATING & CURRENT	12kW (240V AC*50A)
INPUT/OUTPUT VOLTAGE	208V±15%; 240V±15%, 60Hz
NETWORK TYPE	L1/N+PE, L1/L2/PE
INPUT CORD	Hardwired
CONNECTOR TYPE	SAE J1772, 25ft (7.5m)
GROUND FAULT DETECTION	20mA CCID
PROTECTION	Overcurrent, Overvoltage, Undervoltage, Integrated Surge Protection
POWER MEASUREMENT ACCURACY	Full Scale

## OPERATIONAL RATINGS

ENCLOSURE RATING	NEMA 4
OPERATING TEMPERATURE RANGE	-40°F ~+131°F (-40°C ~+55°C)
STORAGE TEMPERATURE RANGE	-40°F ~+185°F (-40°C ~+85 °C)
MOUNTING	Wall Or Floor Using A Pedestal
DIMENSIONS (H*W*D)	13.23"x7.36"x3.35" (336×187×85mm)

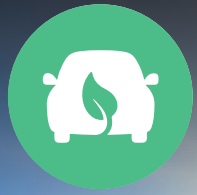
## USER INTERFACE & COMMUNICATION

STATUS INDICATION	LED/APP/Touch Screen (5 Inch LCD, 800*480)
USER INTERFACE	CSEV App
CONNECTIVITY	Bluetooth, Wi-Fi, Ethernet, 4G, CAN, RS485
COMMUNICATION PROTOCOLS	OCPP 1.6J (Can Be Upgraded To OCPP 2.0.1 Later)
USER AUTHENTICATION	APP, RFID Card
CARD READER	ISO 15693, ISO 14443, NFC
SOFTWARE UPDATE	OTA

## CERTIFICATIONS & STANDARDS

COMPLIANCE & SAFETY	UL 2231-1, UL 2231-2, UL2594, NEC Article 625, CSA C22.2
EMC COMPLIANCE	FCC 15 Class B
CERTIFICATION	Energy Star, OpenADR 2.0b
WARRANTY	36 Months with Warranty (Extensions Available)





# ChargeSmart EV

## COMMERCIAL MAXICHARGER™ AC ULTRA

80A

The 80A charging station is the most powerful Level 2 EV charger in the ChargeSmart EV line-up.



ChargeSmart EV



# THE FASTEST WAY TO CHARGE 2 VEHICLES AT ONCE

This workhorse is the most powerful dual port AC charger on the market. The system was designed to ensure form meets function, with a footprint for limited space applications. This is an ideal solution for commercial charging sites, with an 8-inch HD screen that offers the ability to generate additional ad revenue.



Deliver Up To 19.2kW



One-Piece Pedestal  
Housing Combination



WiFi Hotspot Sharing



Power Sharing



8-Inch HD Advertising Screen



App, RFID Card, Credit Card,  
Mobile Payment



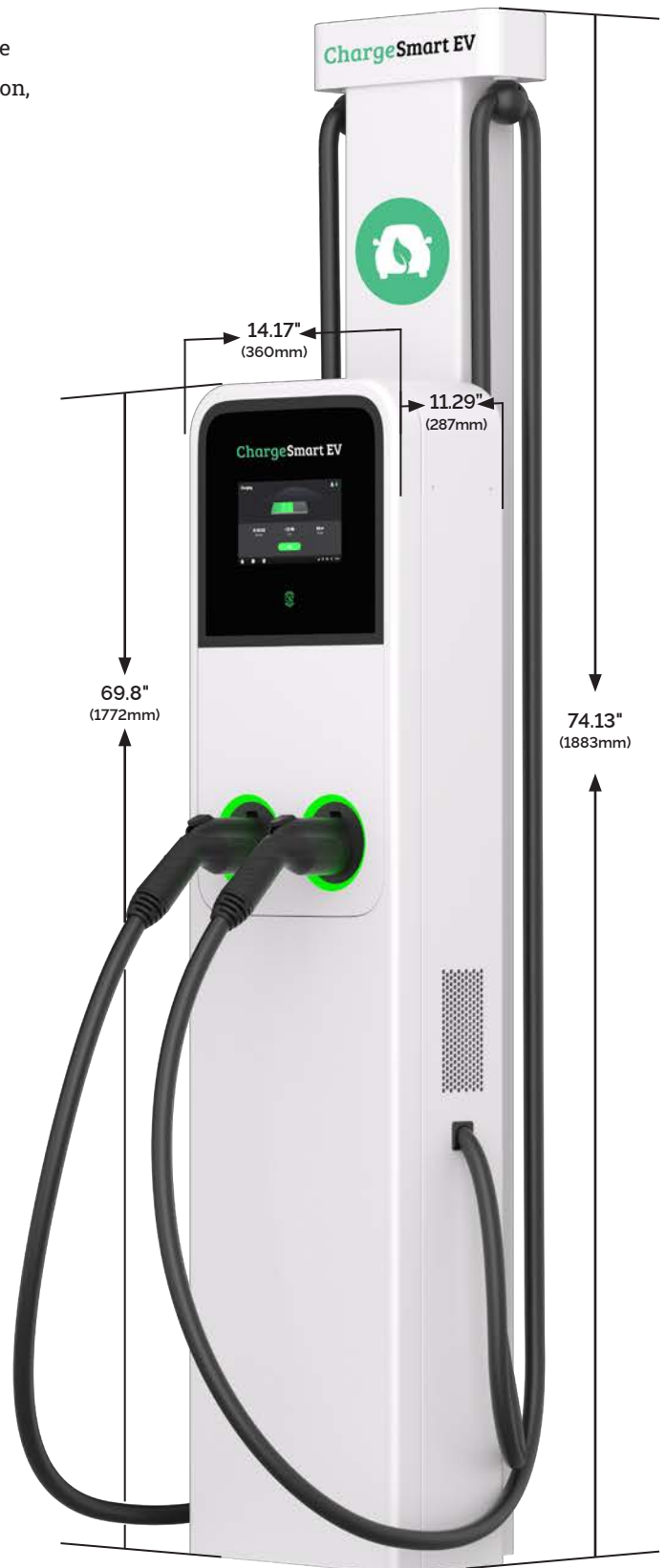
One-Stop Cloud Network  
Management

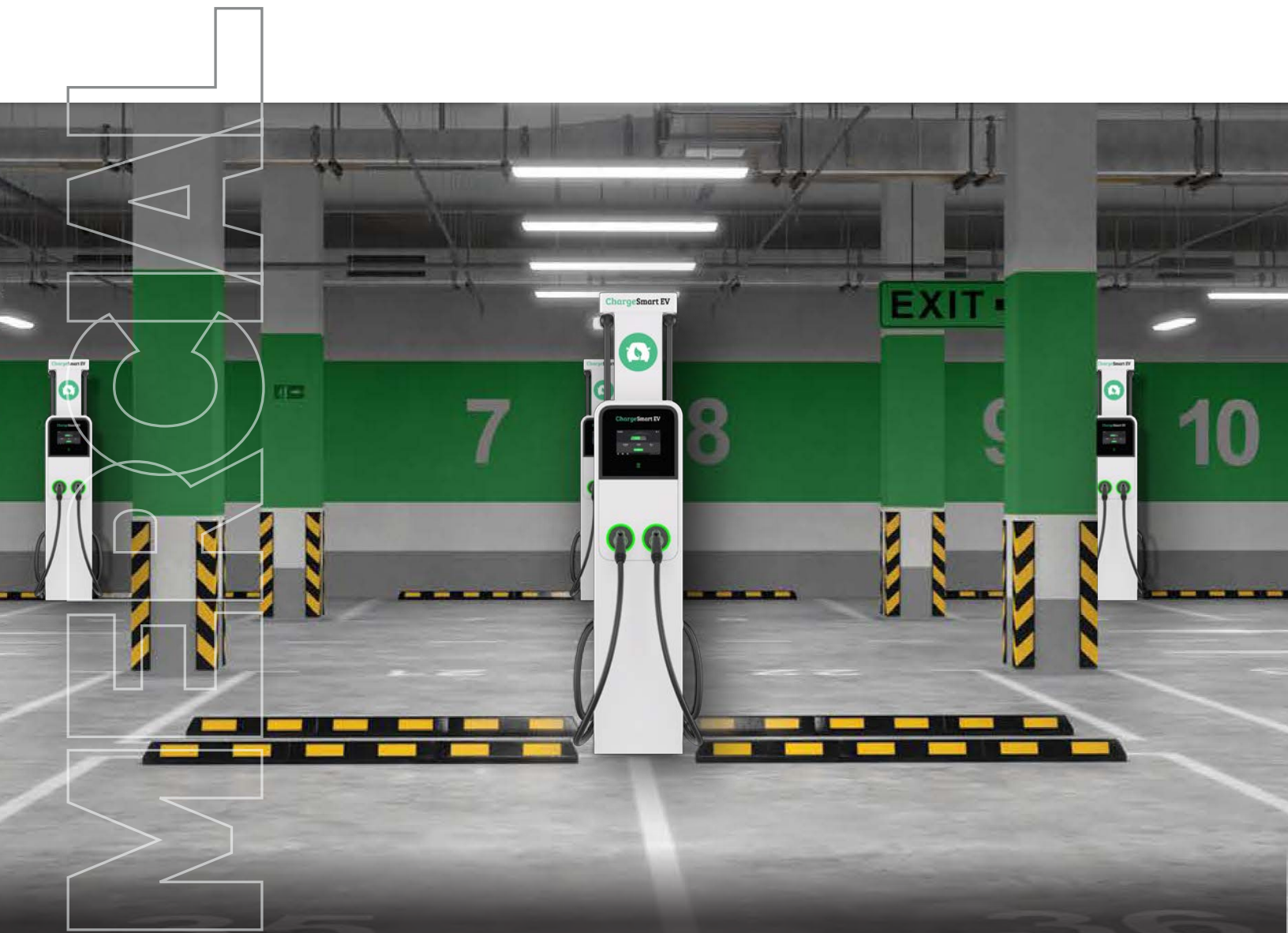


OCPP.6 / 2.0.1



Weather Resistant





### SMART SINGLE PORT CHARGING

- At 19.2kw Per Port This Charger Leads The Industry By Fast Charging 2 Vehicles Simultaneously, & Generates 75 Miles Of Range Within 60 Minutes
- Designed With ISO 15118 Plug & Charge, For A Hassle-Free Charging Experience
- Smart Functionality With Ocpp 1.6 & 2.0.1 Compliant, Can Adapt Its Power Usage & Provide Optimal Charging Today & Into The Future

### BEST-VALUE DESIGN

- Rugged Design Allows It To Be Wall-Mounted Or Floor-Mounted To Support Your Application Needs
- One-Piece Construction Makes It Easy To Install Resulting In Lower Costs & Faster ROI
- Reduced Capital Investment In Power Capacity

## PRODUCT INFORMATION

INPUT/OUTPUT POWER RATING & CURRENT	2*19.2kW (240V AC*80A) Output Amperage Adjustable Via Mobile App, From 6A to 80A
INPUT/OUTPUT VOLTAGE	208V±15%; 240V±15%, 60HZ
INPUT WIRING	L1/N+PE, L1/L2/PE
INPUT CORD	Hardwired
CONNECTOR TYPE	SAE J1772, 7.5M (25') or 5M
GROUND FAULT DETECTION	20mA CCID
PROTECTION	Overcurrent, Overvoltage, Undervoltage, Integrated Surge Protection
CARD READER	Optional: ISO 15693, ISO 14443, NFC
POWER MEASUREMENT ACCURACY	+/- 1.0% From 1% To Full Scale

## USER INTERFACE & COMMUNICATION

STATUS INDICATION	LED / APP / LCD (8 inch, 1280x720 Touch Screen)
USER INTERFACE	ChargeSmart EV ("CSEV") App
CONNECTIVITY	Bluetooth, Wi-Fi, Ethernet, 4G, RS485
COMMUNICATIONS PROTOCOLS	OCPP 1.6J (Can Be Upgraded To OCPP 2.0.1 Later)
USER AUTHENTICATION	APP, RFID Card, Credit Cards (Optional)

## GENERAL CHARACTERISTICS

ENCLOSURE RATING	NEMA 3R
OPERATION ALTITUDE	2000M
OPERATING TEMPERATURE	-40°F ~ + 122°F (-40°C ~ + 50°C)
STORAGE TEMPERATURE	-40°F ~ + 185°F (-40°C ~ + 85°C)
MOUNTING	Wall or Floor Using a Pedestal
DIMENSIONS (H X W X D)	Charger Only: 24.60" (625mm) x 12.60" (320mm) x 6.70" (170mm) Charger with Pedestal: 74.13" (1883mm) x 14.17" (360mm) x 11.29" (287mm)

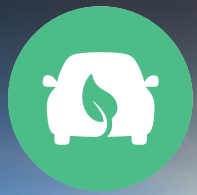
## SOFTWARE UPDATE

COMPLIANCE & SAFETY	OTA Updates Via Web Portal
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## CERTIFICATIONS & STANDARDS

COMPLIANCE & SAFETY	UL 2231-1, UL 2231-2, UL2594, NEC Article 625, CSA C22.2, UL 916
EMC COMPLIANCE	FCC 15 Class B
CERTIFICATION	Energy Star, OpenADR 2.0B, ISO 15118
WARRANTY	36 Months with Warranty (Extensions Available)





# ChargeSmart EV

## COMMERCIAL MAXICHARGER™ DC FAST

60kW - 240kW

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



ChargeSmart EV

# MAXI CHARGER DC FAST

## MOST FLEXIBLE LEVEL 3 DC FAST CHARGER

### Charging power up to 240kW.

The modular design can provide charging power ranging from 60kW to 240kW, meeting the needs of different scenarios and later upgrades.

### Charger peak efficiency up to 96%.

The original efficiency optimization algorithm supports up to 95% efficiency within a load range of 20-100%.

### 21 safety monitoring items,

with hardware + software dual protection.



### Smart Charging

allows DLB to be set and adjusted remotely through the Cloud or locally at the charger to ensure the output loads never exceed the system's capabilities.

### Supports ISO 15118

**Plug & Charge,** enables hassle-free charging operations and identity authentication.

### Smart Cloud & OCPP

enable the site host with full control and visibility of your entire network.



The user-friendly cable management system avoids the cable dragging on the floor, providing convenience and accessibility around the machine, and increasing the life of the charging cables.

27-inch HD advertisement screen, supporting both videos and pictures for brand promotion

Compatible with CCS1, CCS1 (Boost) or CHAdeMO plugs

Credit Card Reader Optional, with various payment options available

Cable lengths: 15ft standard or option for 20ft or 25ft



Charging output that grows with your needs; 60kW to 240kW output for DC Fast units, with each module adding 20kW of output to the compatible models

## POWERFUL

### Charge faster and more efficiently

- Up to 240kW of fast charging
- Charging speed improved by up to 30% with boost mode

## SMART ADVERTISING AND COMMUNICATION PORTAL

### Improve your ROI

- Show the charging related info like State of Charge (SOC), Cost, kWh
- Offer an additional channel to boost revenue with the display of advertisements

## HIGHLY RELIABLE

### Charge without worries

- Continually testing and evaluating new vehicles for interoperability
- Compatible with all vehicles of IEC standards



#### Charging Power

- 60kW - 240kW
- Each charging module adds 20kW



#### Scenarios

- Commercial Buildings
- Retail
- Service Center
- Fleet
- Dealerships



## ELECTRICAL

	DCFC 60kW-120KW	DCFC 140kW-240KW
CONNECTOR OPTION	CCS1/CCS1 or CCS1/CHAdeMO	CCS1/CCS1 (Boost) or CCS1/CHAdeMO
MAX. INPUT AC CURRENT	<b>60kW:</b> 91A; <b>80kW:</b> 122A <b>100kW:</b> 152A; <b>120kW:</b> 182A	<b>140kW:</b> 213A; <b>160kW:</b> 245A; <b>180kW:</b> 270A <b>200kW:</b> 305A; <b>220kW:</b> 335A; <b>240kW:</b> 365A
NOMINAL INPUT AC CURRENT	<b>60kW:</b> 83A; <b>80kW:</b> 110A <b>100kW:</b> 138A; <b>120kW:</b> 165A	<b>140kW:</b> 181A; <b>160kW:</b> 207A; <b>180kW:</b> 230A <b>200kW:</b> 260A; <b>220kW:</b> 285A; <b>240kW:</b> 310A
INPUT VOLTAGE RANGE	480 V AC - 15 % to +10 % @ 60 Hz	
DC OUTPUT VOLTAGE	CCS1: 150 to 950 V DC; CHAdeMO: 150 to 500 V DC	
NETWORK TYPE	TN-S, TN-C, TN-C-S, & TT (External RCD** Required)	
AC INPUT CONNECTION	3P + PE (No Neutral)	
PROTECTION	Over-Current, Over-Voltage, Under-Voltage, Ground-Fault, Over-Temperature, Short-Circuit, Insulation Monitor (IMD), & Surge Protection	
OVERVOLTAGE CATEGORY	AC Side (Input) OVC: III	
POWER FACTOR ( >50% LOAD )	≥ 0.98	
THDI ( >50% LOAD )	≤ 5 %	
PEAK EFFICIENCY	≥ 96 %	
STANDBY POWER	80 W	
SHORT CIRCUIT CURRENT RATING	≥ 65 kA	
ENERGY METERING	Class A	

## USER INTERFACE & COMMUNICATION

CONNECTIVITY	Internet Access Via 4G / Wi-Fi / Ethernet (RJ 45)
USER AUTHENTICATION	QR Code, RFID, Credit Card (Optional)
ISO 15118 PLUG & CHARGE	Yes
DIN 70121	Yes
INTERFACE	27" LCD High-Contrast Touchscreen (15.6" Optional)
ACCESSIBLE FOR WHEELCHAIR USERS	Yes
COMMUNICATIONS PROTOCOLS	OCPP 1.6 JSON, OCPP 2.0.1 (Can Be Upgraded Later)
RFID READER	ISO 14443 A+B to Part 4 & ISO/IEC 15693, Mifare, NFC, Calypso, Ultralight, PayPass, HID & More
EMERGENCY BUTTON	Yes
SOFTWARE UPDATE	OTA Update Via Web Portal
CONTROL AND CONFIGURATION	Web Portal, On-Board Service Portal

## GENERAL CHARACTERISTICS

PROTECTION RATINGS	NEMA 3R Outdoor Use & IK-10
ENCLOSURE TYPE	Stainless Steel 430
OPERATION ALTITUDE	6561 Ft. (6561 to 9843 Ft. with Power Derating)
OPERATING TEMPERATURE	-31 °F to +131 °F (+122 °F to +131 °F with Linear Power Derating)
STORAGE TEMPERATURE	-40 °F to +158 °F
HUMIDITY	< 95 % RH, Non-Condensing
NOISE LEVEL	< 65 dB @1 m/25 °/Full Load/800 VDC
MOUNTING	Free-Standing Cabinet
CABLE LENGTH	15 ft (Optional: 20 or 25 ft)
DIMENSIONS (H X W X D)	76.8 x 32.3 x 23.6 In. (1950 x 820 x 600 mm)   76.8 x 32.3 x 27.6 In. (1950 x 820 x 700 mm)

## CERTIFICATIONS & STANDARDS

COMPLIANCE & SAFETY	UL 2202, UL 2231-1, UL 2231-2, NEC Article 625, CSA C22.2 No. 107.1-16
EMC COMPLIANCE	FCC Part 15 Class A, Class B (Optional)
WARRANTY	24 Months with Warranty (Extensions Available)


# ChargeSmart EV


## CONTACT US


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(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)

