



USCharger.com
Charging Solutions

Charger Catalog 2023

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Powerful & flexible smart grid EV charging software at an affordable price.

Eniac's USChargerEVSE management solution delivers the financial savings and flexibility you need to efficiently manage your EV charging operations at a single property or across a portfolio of locations. It's the perfect solution for condominiums, apartment buildings, offices, shopping malls, universities, event venues, garages, and more.

Whether your system is just getting started or you're already powering an entire fleet of vehicles, USChargerEVSE is designed to help you:

- Monitor and control your system with a powerful online dashboard.
- Reduce energy costs by controlling charging times and managing demand charges.
- Generate new revenue from your charging stations with flexible payment options, custom rate plans and both inbound and outbound EV Charger Roaming services across over 100 networks.
- Provide authorized drivers with an easy way to charge with our intuitive driver apps (iOS & Android) or upgrade for a private labeled app under your name to be placed in the iOS & Android Store.
- You can control any OCPP enabled EV Charger so you can monitor all your EV Chargers. You will be a player in the EV Charger space able to support any customer. The USChargerEVSE solution supports any OCPP EV Chargers. Stop paying high monitoring fees and start collecting revenues.
- Optimize charging times and aggregate stations to reduce energy costs using industry-leading open smart grid standards, load balancing and publishing to directory services on the internet.

Why USChargerEVSE?

Control Station Access Set charging times and allow authorized users to access charging	Balance Your EV Load Expand your charging operations without expensive infrastructure upgrades	Save on Charging Expenses Cap overall electricity consumption and manage demand charges
Generate Revenue Collect payment through mobile app, create invoices from reports, or create custom interfaces. You have complete control of rates, roaming and services.	See System Health A powerful dashboard and robust reporting lets you monitor all charging stations, driver activity and transactions	Make Charging Easy Simple app for drivers to control and monitor their charging both at home and roaming away from home.
New Business Model Become a Market Player with roaming services and interconnect to other charging networks creating new revenue opportunities without additional infrastructure cost.	Simplicity Preset profiles (Private, Semi Public, and Public) Master and reuse rate profiles both costs and charges.	Use Any Charger Expand your charging operations without expensive infrastructure upgrades



USCharger-EVSE Administrator Features

Charging Station Management	<ul style="list-style-type: none"> > Assign devices and settings to locations and sublocations
Control Charging Time	<ul style="list-style-type: none"> > Set charging station hours of operations. > Set separate availability schedules for weekdays and weekends
Access Control	<ul style="list-style-type: none"> > Grant charging station access to authorized users and manage access at location level
Reports	<ul style="list-style-type: none"> > Daily and monthly consumption reports by user, charging station, location, company. > Review active charging sessions > Run session history reports by station and user > Review real-time consumption for each location > Export reports in PDF, XLSX, CSV
Pricing and Payments	<ul style="list-style-type: none"> > Set pricing by kWh, session, hour or any combination thereof > Payment collection in app > Generate usage report & export data for invoicing
Administrator Dashboard Access	<ul style="list-style-type: none"> > Grant users access to specific locations and devices > Administrator access level control > Resellers can manage stations on behalf of their customers
Reseller Dashboard and White labeling	<ul style="list-style-type: none"> > Brand dashboard with any company logo and email > Create a unique company URL (e.g. USCharger.net">https:// SMA->USCharger.net or sub URL for each Private Label Customer
Automated Load Balancing	<ul style="list-style-type: none"> > Limit maximum power load for each location or group of charging stations > Monitor current load > Review maximum load per location and per day
Open ADR 2.0b Compliant	<ul style="list-style-type: none"> > Compliant with smart grid standard used for Automated Demand Response programs
Troubleshooting Tools	<ul style="list-style-type: none"> > Review state of the charging station: status, temperature, voltage, kW, amperage > View logs and events for each charging station
Roaming Service	Inbound and Outbound Roaming Services

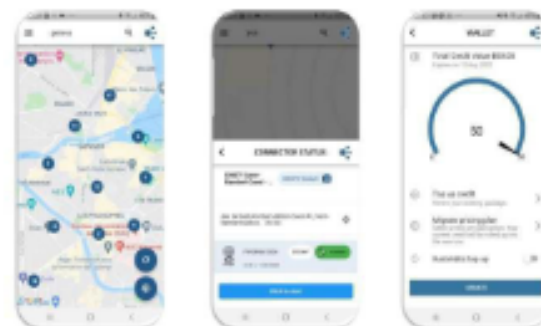


The solution allows to create any kind of charging station setups.



Driver Functions Start & Stop With Mobile App Review Current Session Status	Charging start/stop Apps in IOS & Android
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Logo and icons of the applications can be adapted according to clients wishes. The structure of the application can be discussed in Product Roadmap meetings or adapted individually on a project basis.



2019.10.10



AC Residential Charger



USC 24

Power Options:	16A / 32A / 40A / 48A
Certificate:	ETL, FCC
Input Voltage:	208-240 Vac
Output Rating:	3.8KW , 7.6KW , 9.6KW, 11.5KW
Charging Interface:	SAE J1772 , Type1 Plug
Connectivity:	OCPP 1.6 JSON (OCPP 2.0 compatible)
Network:	Wifi & Bluetooth (for APP smart control)
Charging Control:	Plug&Charge
Durability	IP65 & IK08 protection rating (indoor/outdoor)
Standard Colors	Black / Silver
Warranty:	2-Year

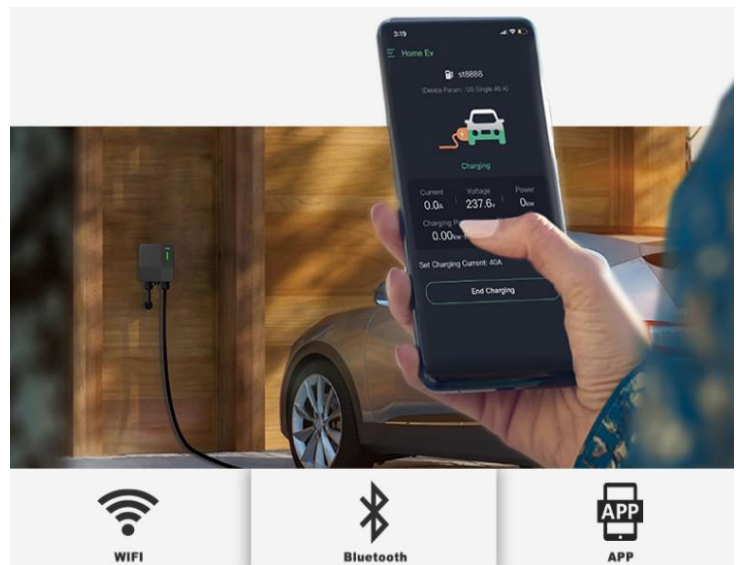
[Click for Specification](#)

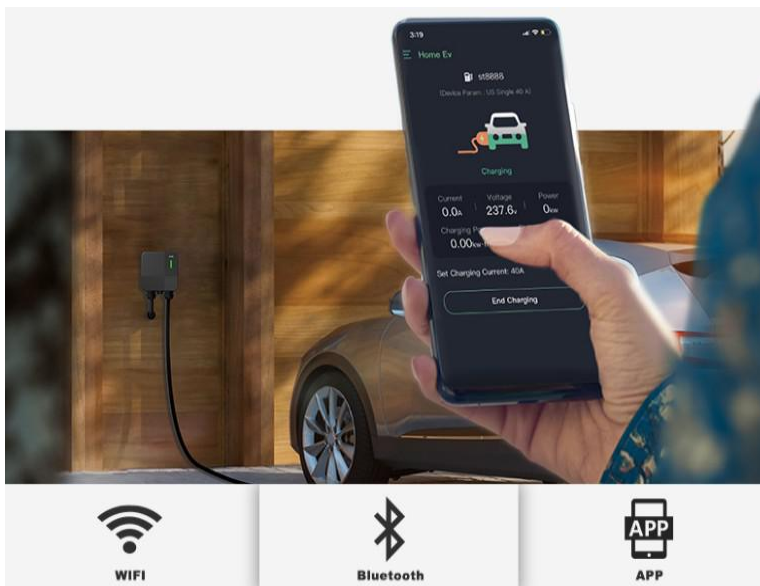
Indoor & Outdoor

Pure PC material, Anti-UV treatment, and over 3 years' yellow resistance.



IP54 / TYPE3 (BOX IP65) IK08





USC 12 is a WIFI/BLUETOOTH+APP wall-mounted charger, suitable for home use. The APP allows you to remotely set the charging start and shutdown time, check the usage of power, view the charging history, etc.

North American version of EV charger (16A, 32A, 40A, 48A, 70A, 80A) with SAE J1772 Type 1 plug. It is highly compatible with charging standards, has good waterproof /dustproof functions, and can be used indoors and outdoors.

Certificate: ETL, FCC
Input Voltage: 208-240Vac

Output Rating:
16A /3.8KW, 32A /7.6KW,
40A /9.6KW, 48A /11.5KW,
70A /16.8KW, 80A /19.2KW

Charging Interface:
SAE J1772 , Type1 Plug

Connectivity: OCPP 1.6
JSON (OCPP 2.0 compatible)

Network:
Wifi & Bluetooth - APP control
Plug & Charge - Charging Control

Click for Specifications



White



Black



Socket version

The USC-11 is a commercial grade wall-mounted /floor-mounted charger with an output current of up to 80 A.

It has strong compatibility, stable performance, perfect protection mechanism and easy installation. North American version of electric vehicle charger with SAE J1772 Type 1 plug.

It can be charged by plug-and-charge and swipe card. With good waterproof and dustproof function, it can be used indoors and outdoors.

Certificate:	CE
Input Voltage:	230Vac±10%(1-phase) or 400Vac±10%(3-phase)
Output Rating:	7KW , 11KW , 22KW
Charging Interface:	IEC 62196-2 , Type 2/T2S Plug or Socket
Connectivity:	OCPP 1.6 JSON (OCPP 2.0 compatible)
Network:	LAN standard, 4G or Wi-Fi optional
User Authentication:	RFID (ISO14443)
Cable Length: optional)	5m (7m charging cable optional)
Charging Control:	Plug&Charge



[Click for Specifications](#)



AC Commercial Charger



USC 10 is the most basic and full-featured electric vehicle charger for commercial and home use. it has advantages in appearance, performance and quality. North American version of electric vehicle charger 16A, 32A, 40A, 48A, 70A, 80A with SAE J1772 Type 1 plug.

It comes in multiple configurations: plug and charge, RFID swipe card, LAN/WIFI/4G. The OCPP1.6J successfully connects with 50+ EV platforms worldwide, allowing users to control your station from an easy-to-use dashboard, quickly onboard users and set charging prices.



White



Black



Socket version

Certificate: ETL, FCC

Input Voltage: 208-240Vac

Output Rating: 16A/3.8KW, 32A/7.6KW, 40A/9.6KW, 48A/11.5KW, 70A/16.8KW, 80A/19.2KW

Charging Interface: SAE J1772, Type1 Plug

Connectivity: OCPP 1.6 JSON
(OCPP 2.0 compatible)

Network: LAN standard, 4G or Wi-Fi optional

User Authentication: RFID (ISO 14443)

Cable Length: 18ft (25ft charging cable optional)

LCD Display: 4.3" screen

Charging Control: Plug&Charge



[Click for Specifications](#)



EVCD1 | Level 2 | Up to 64A



Black



Silver

The wall-mounted charger USC D1 is designed with a dual-gun output, which enables power sharing function, improves usage rate and saves installation cost. Equipped with LCD screen, you can view the charging time, charging current, charging voltage and the power used at the current voltage. Support RFID, QR code, NFC.

It comes with SAE J1772 Type 1 plug with Plug and Charge, LAN/WIFI/4G, OCPP1.6J. Smart charging with high compatibility to meet charging needs.

Certificate:	ETL, FCC, CDFA
Input Voltage:	208-240Vac
Output Rating:	11.5kW+11.5kW
Charging Interface:	SAE J1772, Type1 Plug
Connectivity:	OCPP 1.6 JSON (OCPP 2.0 compatible)
Network:	LAN/Wi-Fi standard, 4G optional
User Authentication:	RFID (ISO14443)
Cable Length:	25ft Standard
LCD Display:	4.3" screen
Charging Control:	Plug&Charge



WIFI

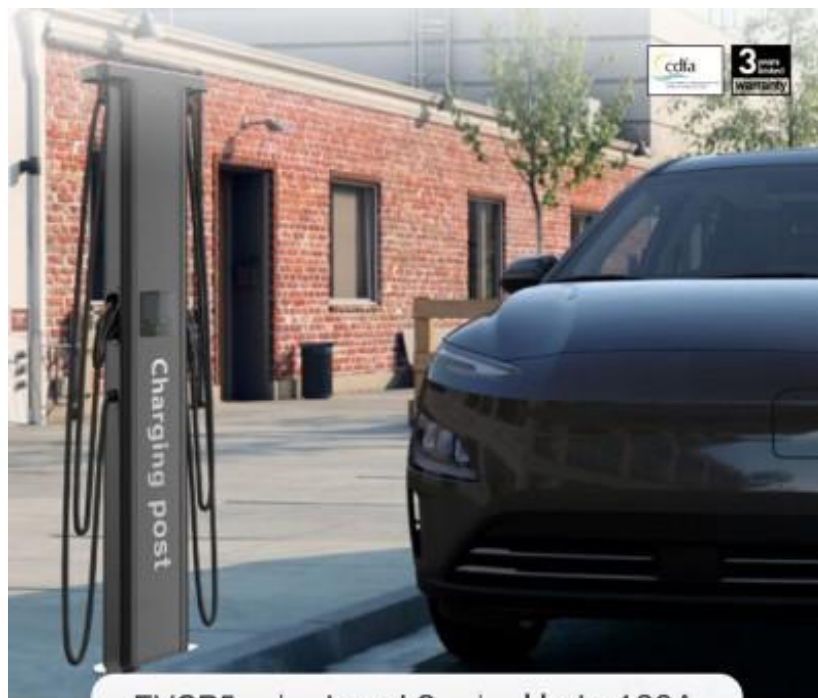


Bluetooth



APP

[Click for Specification](#)



EVCP5 | Level 2 | Up to 160A



USC P5 is a commercial dual-charging gun output design we launched with Level2 AC charging post with charging cable management system and output current up to 160A. It implements a power sharing function to improve energy usage and automatically collects the cable after the EV is charged, which is both convenient and manageable. It is equipped with visual 7" LCD screen with user friendly interface, and it also supports plug-and-charge, LAN/4G/Wi-Fi, OCPP1.6J to provide a better experience for users.

Support Certificate:
Input Voltage:
Vac Output Rating:
Charging Interface:
Compliant, Type1 Plug
Connectivity:
Network:
Cable Length:
Charging Control:

ETL, FCC, CDFA
208-240
19.2KW+19.2KW
SAE J1772
OCPP 1.6 JSON (OCPP 2.0 compatible)
LAN standard, 4G or Wi-Fi optional
18ft Standard
Plug&Charge

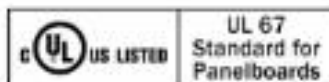
[Click here for specification sheet.](#)

Breaker Control Panelboard

Remote On/Off Control using
DMX, RDM, or sACN Connectivity

Product Highlights

- Traditional commercial/industrial panelboard with remote on/off control using DMX, RDM, or sACN communications.
- 20" width standard for all panel sizes.
- Sequential breaker operation with built-in time delay prevents in-rush current impacts from LED driver loads.
- Utilizes Eaton's Cutler-Hammer innovative solenoid operated remote controlled circuit breakers and Eaton's overcurrent protection circuit breakers. Remote controlled breakers are rated for 200,000 on/off/on operations.
- AC Power sequencing to minimize voltage transients during equipment startup. Benefits both audio and lighting equipment.
- Configurations are built to order and arrive from our factory fully assembled and tested.
- OPTION - Network control via a license free web based graphical interface that uses standard web browsers such as Firefox, Internet Explorer, or Chrome. Provides multi-user access to breaker operation, status, setup, and optional metering data.
- OPTION - Embedded Power Metering which provides:
 - Power measurement on all branch circuits plus feeder
 - Metering data accessible using any web browser
 - Easily identify areas of power consumption
 - Metering data stored locally, no monthly fees



42 circuit Breaker Control Panelboard
(shown with matte black finish)

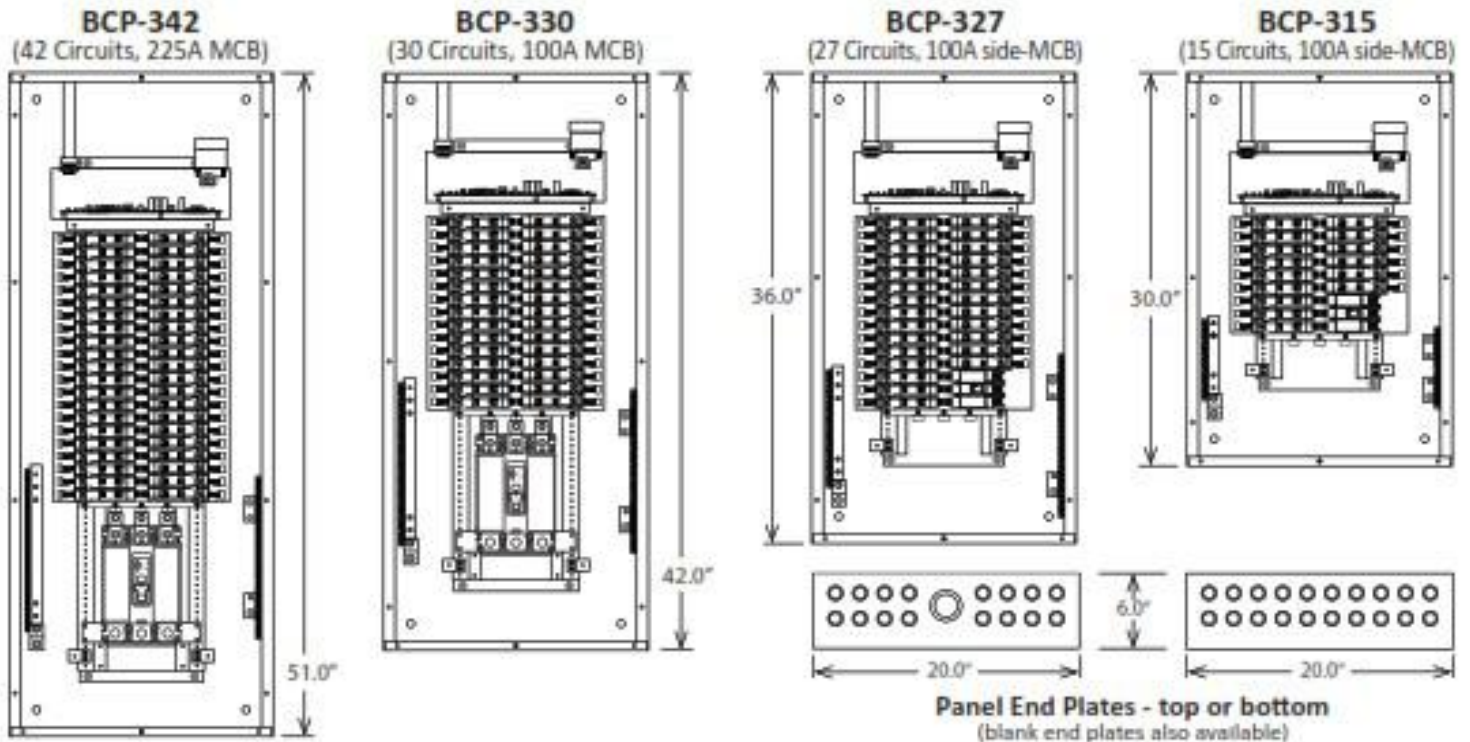
Web-based Power Metering Interface



Interior - Breaker Control Panelboard
(shown with optional metering)

- Typical Panel Configurations

All panels include a master controller, switchable branch breakers, and DMX communications.



Panelboard Specifications

Circuit Capacity	18 Circuits to 96 Circuits (in groups of six) up to 400 Amp Bussing				
Voltage Rating	120/240V 1Ø 3W	208Y/120V 3Ø 4W		480Y/277V 3Ø 4W	
Interrupting Rating	65kAIC@240V Fully Rated	14kAIC@480Y/277V Fully Rated, 65kAIC Series Rated			
Connectivity	DMX-512	RDM	sACN	Modbus TCP/IP	BACnet/IP
Power Measurement	Mains Current Accuracy:	1% of reading from 1% to 100% of nominal rated current			
	Mains Voltage Accuracy:	0.5% of reading from 90 to 600 VAC Line to Neutral			
	Mains Power Data:	Voltage, Current, Watts, PF, VA, VAR, HZ, WHrs, VAHrs, VARHrs			
	Branch Current Accuracy:	1% of reading from 0.15 Amps to 100 Amps			
	Branch Circuit Data:	Current, Watts, PF, VA, VAR, WattHrs, VAHrs, VARHrs			
	Data Update Rate:	1 second for all real-time values			



Pedestal Optional





Atom EV E54 48A Solution

Designed for fleets and other businesses that need flexible EV charging at large scale, Atom EV E50 Series offers a full range of programmable level 2 charging from 1.4 kW to 11.2 kW.

- Fast level 2 charger with up to 48A and speed up to 11.2 kW
- Centralized charging at panel-level
- Up to 38% savings through peak demand avoidance with Atom's dynamic power management
- Up to 57% savings in total cost of ownership over 5 years
- Single or dual bollard-like pedestal or steel wall box options with 18' (standard) or 25' (optional) cable lengths



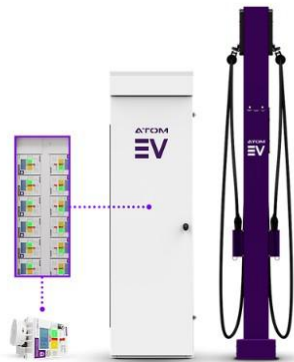
Specifications

Connector type	SAE J1772
Charging cables	18' (standard)
Charging status	LED Indicator
Charging power	1.4 kW - 11.2 kW
Output current	15A - 48A
Input current	48A at 208VAC - 240VAC
Frequency	60 Hz
Panel input wiring	3 phase, 3-wire (L1, L2, GND)
Panel outputs	2-12
Panel enclosure rating	NEMA type 3R Indoor/Outdoor
Operating temperatures	-30°C to +50°C (-22°F to +122°F)
Operating humidity	0 to 95% relative humidity, non-condensing
Short circuit current rating	200kA
Certifications	UL 2594, UL 2231-1/2, UL 489, UL1998, NEC 625, FCC Part 15 Class A, Energy Star, BAA/TAA compliant, ADA compliant

Atom EV E54 48A Solution with Off-the-Ground Cable Management

The best cable management solution in the market. Designed to be more reliable, durable, and safe.

- Fast level 2 charger with up to 48A and speed up to 11.2 kW
- Centralized charging at panel-level
- No uncontrolled cable or plug fly-backs due to spring loaded self-retracting design
- Tested for up to 35% more full cable extension operations
- Constant pull force is 70% lighter than competition
- Single or dual bollard-like pedestal with 18' (standard) or 25' (optional) cable lengths



Specifications

Connector type	SAE J1772
Charging cables	18' (standard)
Charging status	LED Indicator
Charging power	1.4 kW - 11.2 kW
Output current	15A - 48A
Input current	48A at 208VAC - 240VAC
Frequency	60 Hz
Panel input wiring	3 phase, 3-wire (L1, L2, GND)
Panel outputs	2-12
Panel enclosure rating	NEMA type 3R Indoor/Outdoor
Operating temperatures	-30°C to +50°C (-22°F to +122°F)
Operating humidity	0 to 95% relative humidity, non-condensing
Short circuit current rating	200kA
Certifications	UL 2594, UL 2231-1/2, UL 489, UL1998, NEC



Atom EV E58 80A Solution

Designed for fleets and businesses that need fast, reliable EV charging at scale. Atom EV E50 Series offers a full range of programmable level 2 charging from 1.4 kW to 19.2 kW.

- Fastest level 2 charger with up to 80A and speed up to 19.2 kW
- Centralized charging at panel-level
- Up to 46% savings through peak demand avoidance with Atom's dynamic power management
- Up to 57% savings in total cost of ownership over 5 years
- Single or dual bollard-like pedestal or steel wall box options with 18' (standard) or 25' (optional) cable lengths

Specifications

Connector type	SAE J1772
Charging cables	18' (standard) or 25' (optional)
Charging status	LED Indicator
Charging power	1.4 kW - 19.2 kW
Output current	15A - 80A
Input current	80A at 208VAC - 240VAC
Frequency	60 Hz
Panel input wiring	3 phase, 3-wire (L1, L2, GND)
Panel outputs	2-6
Panel enclosure rating	NEMA type 3R Indoor/Outdoor
Operating temperatures	-30°C to +50°C (-22°F to +122°F)
Operating humidity	0 to 95% relative humidity, non-condensing
Short circuit current rating	200kA
Certifications	UL 2594, UL 2231-1/2, UL 489, UL1998, NEC 625, FCC Part 15 Class A, Energy Star, BAA/TAA compliant, ADA compliant

Fast Chargers...



The USC-D 100 / 30 is a commercial electric vehicle wallmount charger with a charging capacity of up to 30kW, an 18ft cable, CCS Type 1 Plug, 7" LED screen.

It has adjustable voltage output from 200-480Vac range, compatible with EV battery charging voltage requirements, customizable colors, simple and easy to understand operating system. The product is equipped with plug and charge, NFC, LAN/4G/WiFi, OCPP1.6J. It has good water and dust resistance and can be used safely outdoors.

Certificate:	ETL & FCC
Input Voltage:	200-480Vac
Output Rating:	30kW
Charging Interface:	CCS Type 1 Plug
Connectivity:	OCPP 1.6 JSON (OCPP 2.0 compatible)
Network:	Wi-Fi+LAN Standard (4G Optional)
Cable Length:	18ft (25ft charging cable optional)

[Click Here for Specifications](#)



The USC-D 100 (60-180) is a commercial dual output design EV charger with a charging capacity of up to 180kW. It is equipped with 18ft cable CCS Type 1 Plug, 7" LED screen.

USC-D100 (60-180) has a charging cable management system that automatically collects the cable after the EV is charged.

Customer can customize the color, or Stainless Steel outside.

The operating system is simple; and equipped with plug-and-charge, NFC, LAN/4G/WiFi, OCPP1.6J.

It has good waterproof and dustproof function and can be used safely outdoors.

Certificate:	ETL & FCC
Input Voltage:	480Vac
Output Rating:	150kW
Charging Interface:	CCS Type 1
PlugConnectivity:	OCPP 1.6 JSON (OCPP 2.0 compatible)
Network:	Wi-Fi+LAN Standard (4G Optional)
Cable Length:	18ft (25ft charging cable optional)

[Click Here for Specifications](#)



USCharger EV DC360P

Smart EV Charging

**The DO360,
Powerful and
Scalable up to
1.4MW.**

Available with single or dual dispensers



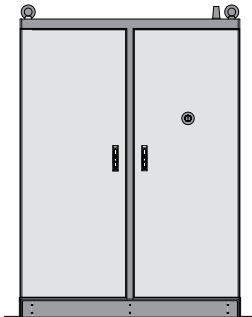
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Depth
31.5 in /
800 mm

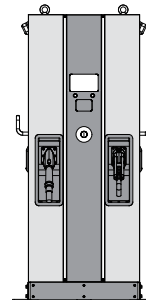
Width
27.6 in /
700 mm

Depth
21.7 in /
550 mm

Height
74.8 in /
1900 mm



Height
70.9 in /
1800 mm



COMBINATION

1 Cabinet + 1 Dispenser



1 Cabinet + 2 Dispensers

**The DO360,
Powerful and
Scalable up to
1.4MW.**

Available with single or dual dispensers





Terra HP – 175 kW to 350 kW

Fast charging just got faster. High power for next gen EVs

Several EV models with larger batteries and longer range are coming. Infrastructure needs are growing. More fast charging points with higher power demands will be needed for drivers to adopt the next generation of electric transportation. ABB has solutions today that will enable this future.

Main features and key benefits

- Ultra-high current of 500 A per individual power cabinet
- Dynamic DC functionality: 500 A per charge post
- Wide voltage range: 150-920 V
- Modular system: 175-350 kW
- Suited for current and next generation EVs
- CHAdeMO and liquid cooled CCS up to 350 kW and 500 A
- 375 A output current per power cabinet to charge fast at 400 V_{DC}
- Dynamic DC to save costs
- Flexible charge
- Scalable installation with integrated galvanic isolation
- Cable retraction system, advanced liquid-cooling system
- Robust, all-weather enclosure for indoor and outdoor use
- EU and US models available

Dynamic DC
2x 350 kW
2x 500 A
150-920 V_{DC}

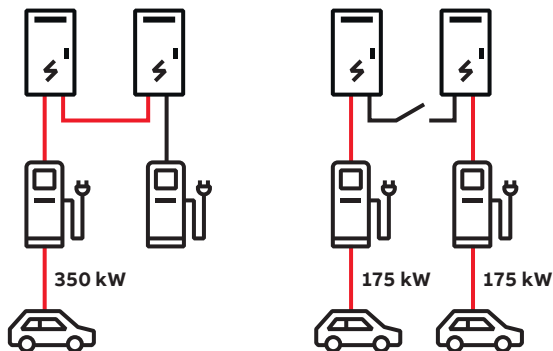


Key features

- Long cables with cable retraction system.
- 500 A charging at low noise levels.
- Elegant charge post in small foot-print with integrated cooling system.
- High level of user safety backed by third party testing.
- Integrated RGB LED strips with customizable color.

Optional features

- Dynamic DC power sharing.
- Customizable user interface.
- Integrated payment terminal.

**Dynamic DC power sharing illustrated**

High power charging at up to 350 kW and 500 A at either charge post.

Simultaneous charging at up to 175 kW and 375 A at both charge posts.

Why charging operators prefer ABB

- ABB Ability™ Connected Services:
 - Charger Connect: Easily connect chargers to OCPP back offices, over-the-air software updates.
 - Charger Care: Remote diagnostics and resolution, service case management, notifications, data export.
- ABB's decade of EV charging experience and close cooperation with EV OEMs, networks and fleets.
- High volume production with a globally distributed manufacturing base.
- Industry leading uptime with a global and local service presence.

Technical specifications**Charge post**

Charging performance	500 A continuous up to 35°C with noise level of ≤60 dB(A) at 1 m
Charge cable	5.3 m / 17 ft with retraction system
DC output current	500 A CCS (liquid cooled) 200 A CHAdeMO
DC output voltage	150 – 920 V DC
Maximum noise level	68 dB(A) at 1 m
Touch screen	15" high brightness
RFID	ISO/IEC 14443A/B, ISO/IEC 15393, FeliCa™1, NFC, Mifare, Calypso
Network connections	4G, Ethernet
Dimensions (H x W x D)	2458 x 590 x 425 mm / 96.8 x 23.2 x 16.7 in
Weight	250 kg / 551 lbs
Connector types	CCS1 / CCS2 / CHAdeMO

Power cabinet

Output power	175 kW up to 40°C
Output power derating	5% per 5 additional degrees
Output current	1 cabinet: 375 A 2 cabinets: 500 A
AC connection	L1, L2, L3, GND (no neutral)
CE version	400 V AC ± 10%, 50 Hz (option: 60 Hz) 277 A, 192 kVA nominal Recommended breaker: 315 A
UL version	480Y/277 V AC +/-10%, 60 Hz 231 A, 192 kVA nominal Recommended breaker: 300 A
CSA version	600 V AC ± 10%, 60 Hz 185 A, 192 kVA nominal Recommended breaker: 250 A
Short circuit rating	CE: 25 kAIC UL/CSA: 65 kAIC
Overvoltage	CAT III
Efficiency	≥ 94% at full load
Power factor	≥ 0.97
THDi	≤ 8%
EMC emission (conducted)	Standard: Class A (industrial) Optional: Class B (residential) with external filter
Noise level	≤67 dB(A) at 1 m
Dimensions (H x W x D)	2030 x 1170 x 770 mm / 79.9 x 46.1 x 30.3 in
Weight	1340 kg / 2954 lbs

System

Compliance	CE, cTUVus for UL and Canada
Environment	IP54, NEMA 3R outdoor use IK10 (screen: IK08)
Operating temperature	-35 °C to +55 °C (derating applies)
Storage	+5 to +40 °C with RH 5 to 85%
Altitude	2000 m / 6560 ft



75-inch Advertising display
2 charging points
300kW of ultra-fast charging
Up to 201 kW of battery capacity

ChargePost

Innovative, intelligent, individual: ChargePost enables hpc-charging on limited grids within minutes – and takes ultra-fast charging to a new level with best-in-class technologies.

Available in

EU

UK

US

Other countries on request.

ChargeBox System

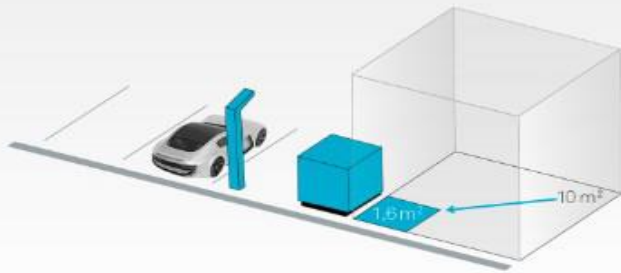
Ultra Fast Charging on the power-limited grid



- Up to 320kW charging power
- Zero costs for grid expansion
- Limited space needed for install
- Future-proof investment
- Battery buffered fast charging solution

Ultra fast charging is now possible everywhere

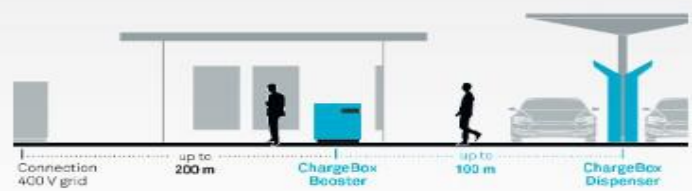
Our fast charging solution brings everything that service stations, industrial companies, energy suppliers, caterers and restaurants need to implement EV fast charging points at their specific locations.



Only 15% of the space required

With compact dimensions of 1.25 x 1.25 x 1.35 metres, our storage-based fast charging solution is currently the most compact and efficient fast charging system worldwide. With a footprint area of only 1.6 m², the ChargeBox Booster requires just 15% of the space of comparable fast charging systems with a connected medium-voltage system.

With a footprint of just 0.6 m², our fast charging stations can be easily integrated into any street and landscape.



Flexible to install

The compact size enables a lot of battery storage and charging stations to be installed in a small area, making it possible to use the space efficiently.

The ChargeBox Booster can be installed up to 200 metres from the 400 V mains connection point. The 100 metres of cable distance is possible between the ChargeBox Booster and the ChargeBox Dispenser. This makes the ADS-TEC fast charging system a flexible building block for constructing EV charging infrastructure.



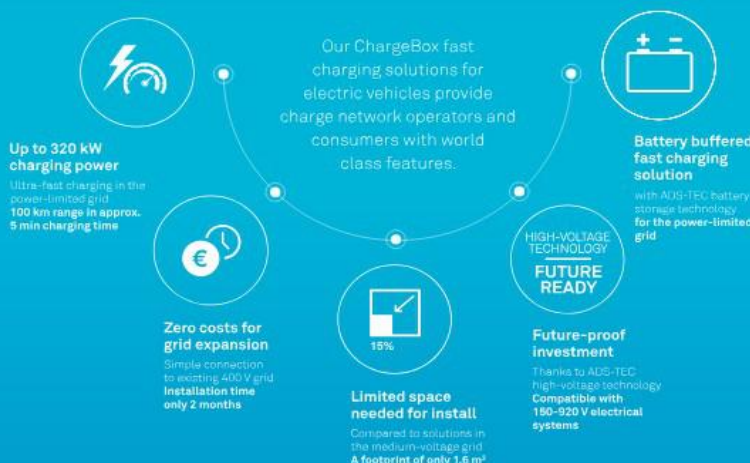
Can be expanded as required

Our ChargeBox fast charging solution can be added to the existing infrastructure requirements of the existing development of the e-mobility market without any major time or financial effort.

Two ChargeBox Dispensers can be operated with one ChargeBox Booster, providing 100 kW of power for ultra-fast charging of electric vehicles with a small investment. Our Power Booster is suitable for all scenarios where more charging capacity is needed: here, even more fast charging stations can be connected and used simultaneously.

Electric vehicles can now be charged anywhere – ultra-fast

Ultra Fast Charging without compromise



The challenge of fast charging electric vehicles is providing high power in a short time-frame. However, since the medium-voltage grid is not available in many areas of Germany, charge network operators with locations in undeveloped areas have to invest time and resources to upgrade the grid connection to meet the requirements of current fast-charging technologies.

With the ChargeBox fast charging solution from ADS-TEC this is no longer a challenge. Electric vehicles can now be charged with up to 320 kilowatts of power – regardless of grid infrastructure limitations.

RES-D3-CS20 Electric Vehicle (EV) DC Fast Charger Dispenser from BorgWarner

The Next Generation of EV Charging Dispenser

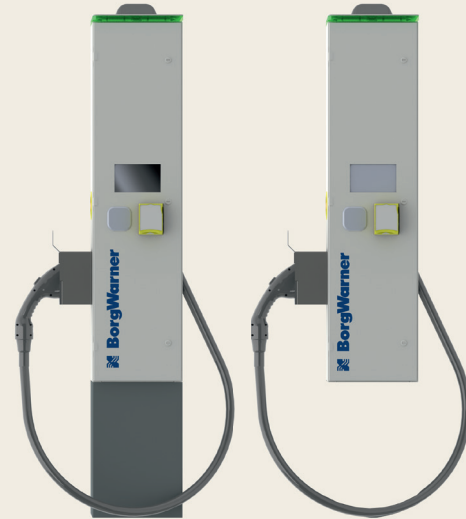
Our “Gen 3” DC Fast Charge dispenser advances our rugged Gen 2 EV dispenser by integrating a variety of new cutting-edge market features into a smaller package, enabling enhanced scalability of large fleet charging deployments. The dispenser is compatible with both “Charge-Only” and “Bi-Directional / V2G” products and applications.

Low Profile Design with Wall Mount Option

Space available to install EV charging stations is often a challenge for customers but especially for heavy duty fleet operators. Our new dispenser footprint is ~ 50% smaller to minimize the area required for new EV charging dispenser installation.

Vehicle to Everything (V2G) Technology

The utility grid's resilience is constantly being challenged, from both weather event and peak loads. Vehicle to grid (V2G) provides the ability to offset peak loads by selling excess vehicle power back to the grid, reducing total energy costs. BorgWarner charging solutions are UL 1741-SA certified, simplifying fleet operator deployment of V2G-capable charging systems for the M/HD EV fleets.



Pedestal and Wall-Mount Dispensers Available



Gen 3 Dispensers Support Rhombus V2G and Charge-Only Power Conversion Systems

Rhombus 180 Modular DC Fast Charging System from BorgWarner

NEVI Compliant Modular Charging System

The Rhombus 180 is the latest EV charging innovation from BorgWarner that provides a 180kW single-channel output for passenger EVs and high-power vehicles. The Rhombus 180 is based on modular power blocks that run in parallel, facilitating easy maintenance and increasing reliability. Proudly made in the USA, the Rhombus 180 complies with the National Electric Vehicle Infrastructure (NEVI) program requirements. The \$1B NEVI program is designed to strategically deploy roadside EV charging stations nationwide and will fund up to 80% of project costs.

Here is a list of the critical NEVI requirements that the Rhombus 180 system meets:

- >150kW per dispenser, simultaneous output of 150kW (parallel charging)
- Outdoor rated
- RFID/credit card reader
- CCS1 connector
- OTA updates, charger data, and analytics
- ADA compliance
- Energy Star rated
- Data collection and reliability

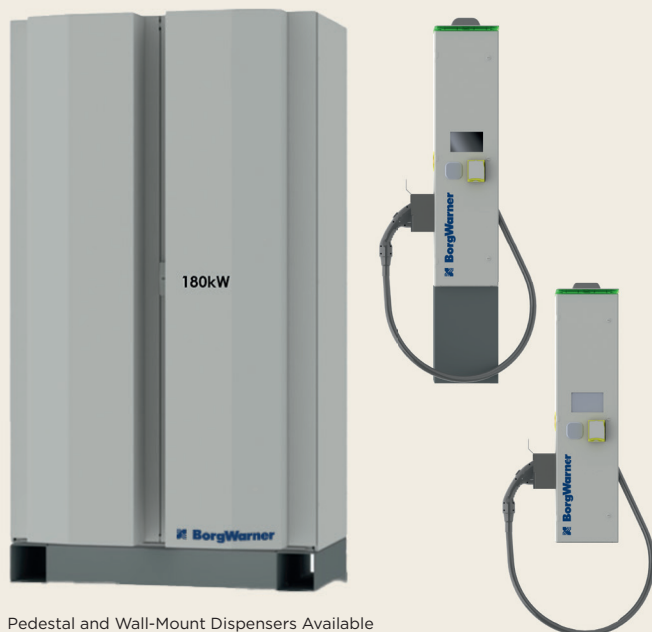


Modular EV Charging in a Small Footprint

The Rhombus 180 is constructed from a modular design with separate Power Conversion Systems (PCS) and power dispensers that can be installed up to 500' away. Unlike an "all-in-one" solution, this modular approach allows operators to install the PCS in a convenient location while installing the dispensers centrally located in the charging depo. The small footprint of the dispensers makes them a perfect solution for any charging site.

Continuous Operation at Rated Loads

At BorgWarner, we apply our high-power electronics expertise to our unidirectional DC fast-charging solutions for commercial EV fleets such as school buses, public transit buses, delivery vehicles, refuse trucks and drayage tractors. Our EV charging solutions are designed specifically for continuous operation at rated loads. These systems are also designed to support the unique needs of EV fleet operators, including the ability to remotely locate the small-footprint EV charging dispenser up to 500 feet away from the charger PCS. This allows optimal site placement in a high-density vehicle yard when considering utility power feeds and high-density parking.

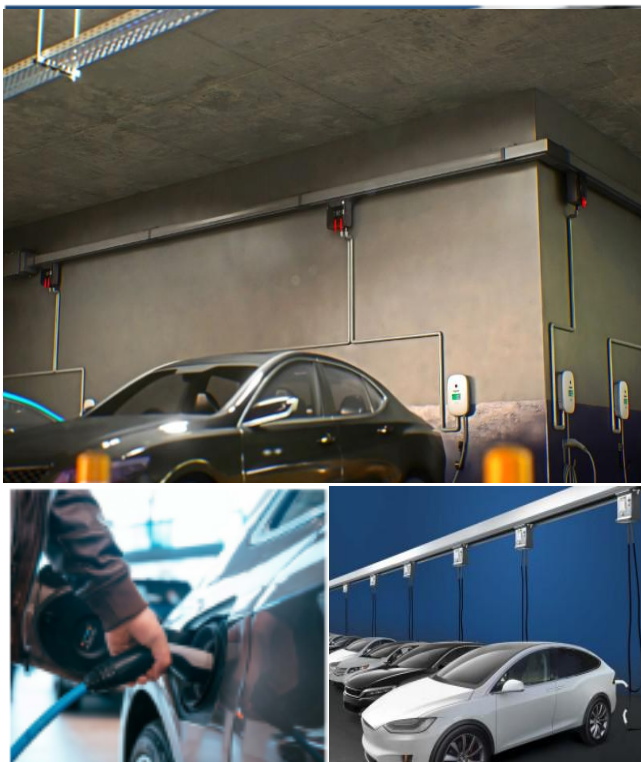


Pedestal and Wall-Mount Dispensers Available

Innovative power distribution for electric vehicle charging.



Our NEW Track Busway offers a unique overhead solution to power your Electric Vehicle Supply Equipment (EVSE) infrastructure. By design, **our** open channel eliminates the need for costly electric runs and trenching for pedestal designs, drastically reducing installation time and costs. This versatility also allows quick modifications and reconfigurations of power access points. Whether powering directly to vehicles or to existing charging systems. **We** support the infrastructure needed for the fast growing electric vehicle market.



BENEFITS

-  Reduced Installation Time & Costs
-  Built-in Infrastructure for Growth
-  Scalable, Versatile, and Reusable

FEATURES

- Delivers optimal voltage and ampacity on a mass scale
- Plug-in units can be tapped instantly at any location, providing power at the point of use
- Eliminates the need for numerous panels and long runs of pipe and wire
- Revenue grade metering options for power monitoring and load balancing

TECH DATA

- Customizable section lengths up to 20ft
- 40 to 1250 amp systems, 1- and 3-phase
- Rated up to 600Vac or 600Vdc
- UL, NEC, ETL & IEC certifications
- Case, dedicated or isolated ground options

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