



Shown with
optional cable
management
system



CoRe+

Smart level 2 charging station for private, public and commercial applications

The CoRe+ charging station is specifically designed for private applications such as workplaces, multi-unit residential buildings, fleets, and is also suitable for public spaces

Choose between the Standard and PowerSharing™ versions of the CoRe+ at acquisition time

Benefits

- **PowerSharing™ technology (optional) (U.S. Pat. No. 9,927,778)**
Greatly reduce installation cost by sharing the remaining incremental capacity of an existing electrical infrastructure
- **PowerLimiting™ technology (U.S. Pat. No. 10,197,976)**
Add multiple charging stations to an existing installation while minimizing the building's peak power demand through:
 - Fixed limit
 - Scheduled limitations
 - Integration to a Building Management System (BMS)
- Rugged and reliable design able to withstand harsh weather

Smart Charging Solution

- **Enhanced charging station owner experience** - Complete remote management capabilities including software and firmware updates
- **Enhanced user experience** - Deliver real-time updates and notifications to drivers
- **Revenue generation** - Implement payment services to generate revenue
- **Access control** - Configure stations to authorize access using the FLO mobile app or RFID card authentication, or allow unrestricted access to the station

Key features

- Type 4X enclosure cast aluminum casing
- Certified to operate in temperatures ranging from -40 °F to 122 °F / -40°C to +50°C
- Equipped with a charging cable that remains flexible at low temperature
- Wall-mounted and pedestal configuration options. Pedestal configuration helps meet ADA requirements.
- Pedestal configuration that helps meet ADA requirements
- Modular design to facilitate servicing and maintenance
- Access provided free of charge or according to a usage fee
- LED status indicator
- Optional cable management system
- Optional cascading kit enables serial daisy-chain connection of multiple charging stations on pedestals and on the same branch circuit
- Software-based field calibration to Meet California Type Evaluation Program requirements

Overview

The CoRe+ charging station is designed for applications where multiple charging stations may be necessary now or in the future, such as public sites, workplaces, multi-unit residential buildings (condos and apartments), or commercial fleets. The CoRe+ can be equipped with a cable management system keeping the cables safe and suspended.

Future-proof energy management features

PowerSharing

- Allows the addition of charging ports (keeping up with the fast-paced increase demand for EVSE) for limited electrical infrastructure.
- Requires minimal modification to an existing electrical installation. Our technology can power up to 4 times more vehicles than standard installations would allow.

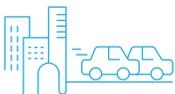
PowerLimiting

- Minimize the incremental power demand on the building's infrastructure (which can significantly increase with uncontrolled EVSEs).
- Limits the power drawn from the grid for an entire site based on a schedule or by communicating directly with a BMS.

Physical features

- Rugged charging station able to withstand extreme weather and corrosion
- Thick and sturdy cast aluminum casing
- Universal SAE J1772 connector
- Flexible 21-foot cable (25-foot optional) that remains malleable even during winter's coldest temperatures
- Mounting pedestal helping to meet ADA requirements

Applications



Public sites

For business owners and organizations wanting to provide their customers with first-class charging experience and become a destination of choice, while demonstrating their sustainable development leadership.



Workplace

For companies looking to offer an EV charging service to their employees, and looking for a solution that can evolve at the same rate as the demand for the service while maintaining reasonable installation and operation costs.



Fleet

For fleet managers who wish to grow their EV fleets without expanding their electrical infrastructure while maintaining the operational costs at an affordable level.

Available configurations

CoRe+

CoRe+ with cable management system



Wall-mounted



Single pedestal



Back-to-back pedestal



Wall-mounted



Dual side-to-side

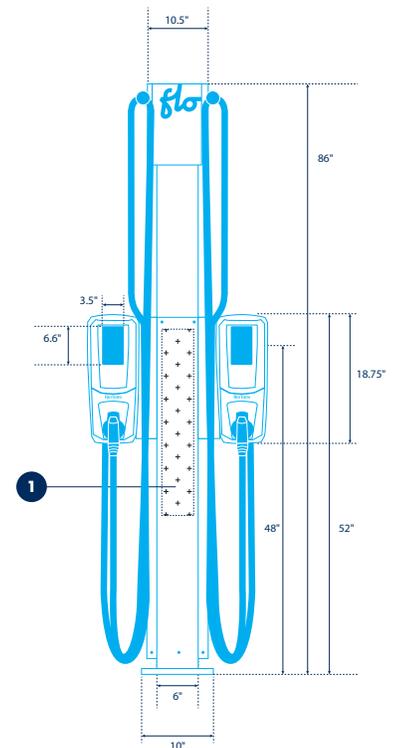
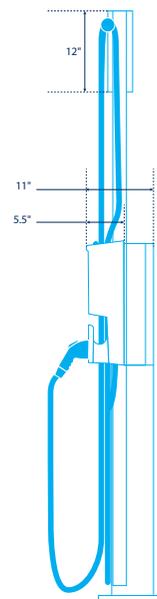
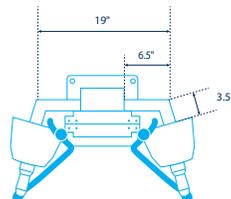
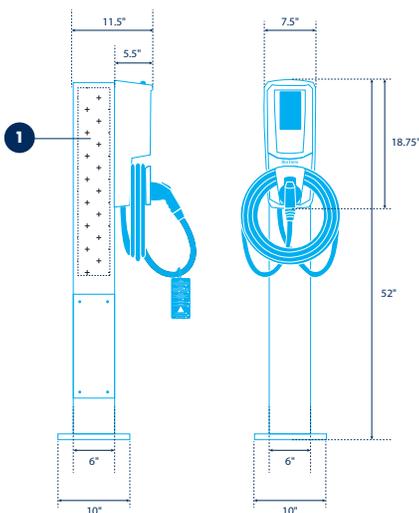


Back-to-back or single pedestal

Dimensions and customization

- 1 Every charging station includes easily customizable branding areas. The CoRe+ comes in its original colour, which can be modified with your custom signage.

Customizable partner panel area
Dimensions (H x W): 30" x 4.72"



Technical specifications

	Standard option	PowerSharing™ option
Aluminum casing	Type 4X enclosure	
Charging connector	SAE J1772	
Cable	21' (optional 25') / 6.4 m (optional 7.62 m)	
Input Power	Standard: 30 A @ 208 VAC or 240 VAC for each charging station	PowerSharing : 32 A @ 208 VAC or 240 VAC per set of 4 charging stations
Charging power	1.2 kW to 7.2 kW (maximum configurable by software)	
Output current	6 A to 30 A (maximum configurable by software)	
Integrated GFCI	20 mA, auto reset (3 attempts at 15-minute intervals)	
Frequency	60 Hz	
Operating and storage temperature	-40 °F to 122 °F / -40°C to +50°C	
Weight	Charging station: 21 lbs / 9.53 kg Pedestal: 32 lbs / 14.5 kg	
Humidity	Up to 95% (non-condensing)	
Card reader	ISO 14443 A/B, ISO 15693, NFC	
Communication interface	ZigBee - IEEE 802.15.4 meshed network	
Networking	Cellular – LTE (gateway is installed separately for optimal performances)	
Certifications	CSA- C22.2 No. 280 / UL 2594, CSA C22.2 No 281.1 and 281.2 / UL 2231-1 and 2231-2	
EMC compliance	USA - FCC 47 CFR 15 class A CAN - ICES-3 (A)	
Metering Accuracy	Certified according to California Type Evaluation Program (CTEP)	
Model Number (21' Cable)	COCH602EA1-FL-P07	COPS602EA1-FL-P07
Model Number (25' Cable)	COCH102AA1-FL-P07	COPS102AA1-FL-P07

