SmartTWO-BSR
Smart curbside dual level 2 charging stations for public and commercial applications

Equipped with two level 2 charging stations, the SmartTWO-BSR charging station is designed for city curbside installations.

Benefits

· Its height is optimized to reach the EV charging port regardless of the position of the car

· Unique locking mechanism to protect the connector (U.S. Pat. No. 9,421,878B2); door unlocks on authentication

· 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

Key features

· Dual Level 2 charging station

· Certified to operate in temperatures from -40 °C to 50 °C / -40 °F to 122 °F

· Cable management system to ensure that cables are kept safely off the ground while not in use

· NEMA 3R aluminum casing

· Equipped with a charging cable that remains flexible at low temperatures

· Modular design to facilitate servicing and maintenance

· Access provided free of charge or according to a usage fee

· LED status indicator

Overview

The SmartTWO-BSR charging station is specifically designed for curbside installation. Like every charging stations in the SmartTWO product line, the SmartTWO-BSR was designed for all weather environments and offer a number of features suitable for public applications where robustness, durability and access control systems are critical. The SmartTWO is a user-friendly connected charging station that allows comprehensive and easy access to data via a centralized information management software and can also generate revenue through usage fees.

There are two types of curbside charger:

- Master SmartTWO-BSR is a dual-charging station equipped with a 3G/LTE cellular gateway to connect units in its vicinity.

- Auxiliary SmartTWO-BSR is a dual-charging station requiring installation within 50 m of a Master SmartTWO-BSR (for network access).

Designed to electrify cities

The SmartTWO-BSR's slick design will blend harmoniously with the urban landscape. With their dual Level 2 charging stations, they are capable of powering two electric vehicles simultaneously, delivering up to 7.2kW of power to each one, and they are equipped with an ingenious automatic cable management system that retracts the cables after each use.
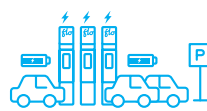
Physical features

- Rugged charging station able to withstand extreme weather and corrosion

- Thick and sturdy casing

- Universal SAE J1772 connector

- Flexible 22-foot cable that remains malleable even during winter's coldest temperatures
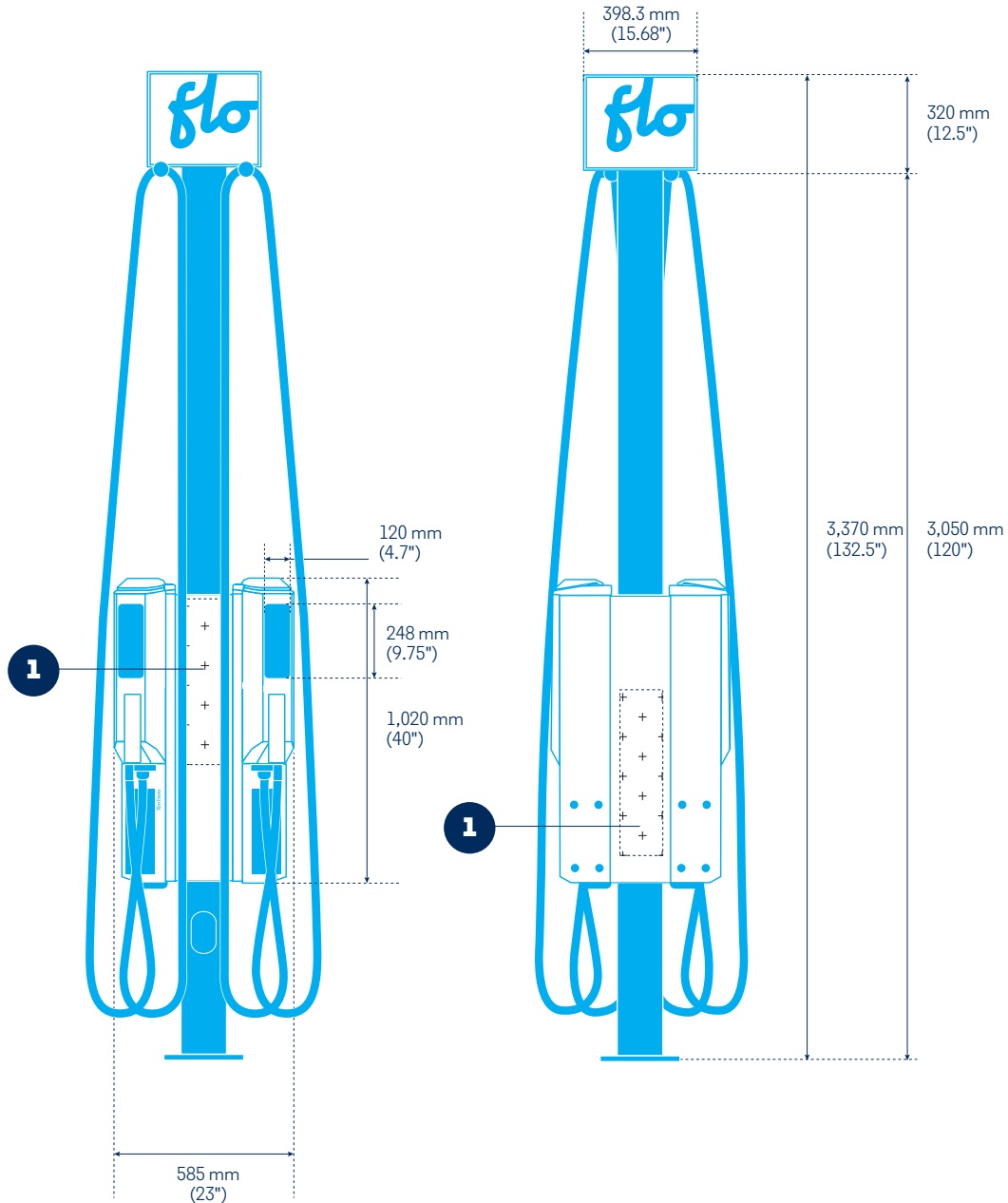
Applications

Cities

For cities interested in reducing their GHG emission by offering downtown destination charging

Commercial parking lots

For public location owners interested in offering their customer base a great charging experience

Dimensions and customization

398.3 mm (15.68")

320 mm (12.5")

120 mm (4.7")

248 mm (9.75")

1,020 mm (40")

3,370 mm (132.5")   3,050 mm (120")

585 mm (23")

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

Customizable partner panel area:
Dimensions (H x W): 500 mm (19.7") x 175 mm (6.9")

Technical specifications

Aluminum casing	2 x SmartTWO, NEMA 3R
Charging connector	2 x SAE J1772
Cable	2 x 6.7 m / 22' Ultra Flex
Electrical load	2 x 30 A @ 208 VAC or 240 VAC
Charging power	1.2 kW to 7.2 kW (Maximum configurable by software for each charging head)
Output current	6 A to 30 A (Maximum configurable by software for each charging head)
Cable management system	Calibrated suspended weight
Integrated GFCI	20 mA, auto reset (3 attempts at 15-minute intervals)
Frequency	60 Hz
Operating and storage temperature	-40 °C to 50 °C / -40 °F to 122 °F
Weight	80 kg / 175 lb
Humidity	Up to 95 % (non-condensing)
Card reader	ISO 14443 A/B, ISO 15693, NFC
Communication interface	ZigBee - IEEE 802.15.4 meshed network (Master and Auxiliary unit)
Networking	Cellular – 3G/LTE (Master unit)
Certifications	**SmartTWO charging station is:** CSA certified for Canada and United States Complies with UL 2594, UL 2231-1, UL 2231-2
EMC compliance	USA - FCC 47 CFR 15, class A CAN - ICES-3 (A) / NMB-3 (A)

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