



Datasheet
E80 Series: 80 Amp
Wall/Pedestal Mounted
Single Gun Level 2 Smart EV Charger

Elocity E8o Series

Wall Mount



Hard-wired Model



Front View



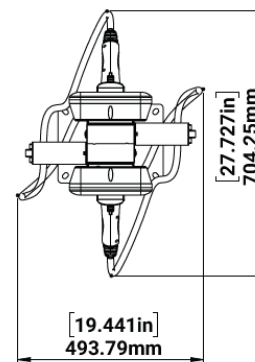
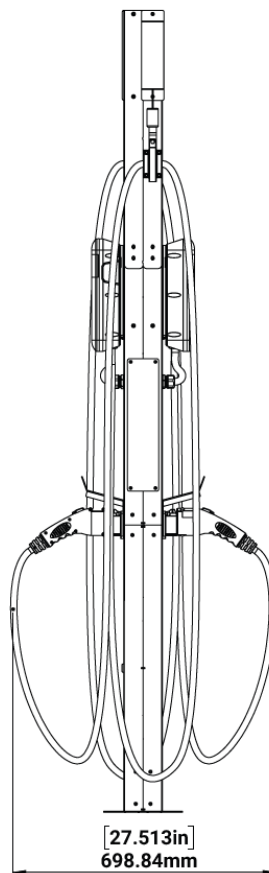
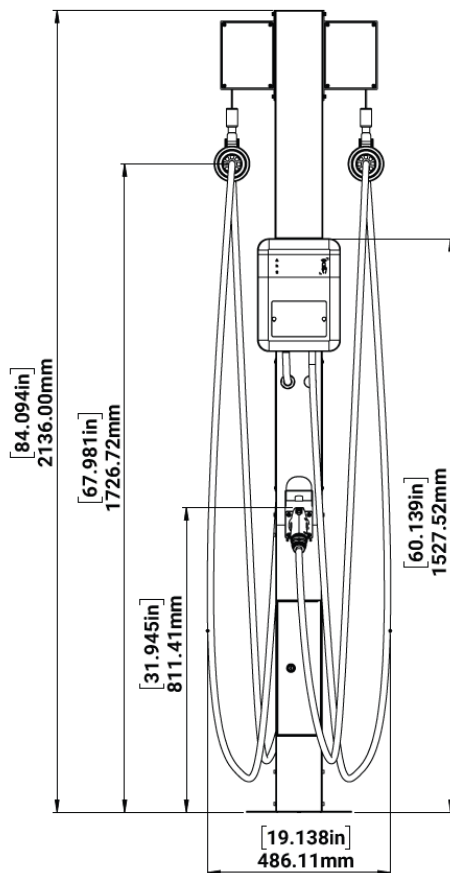
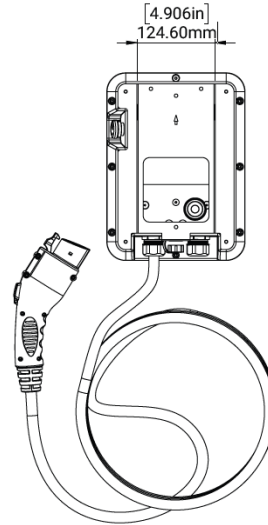
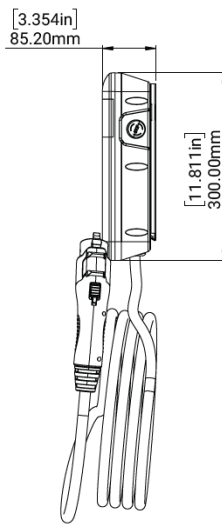
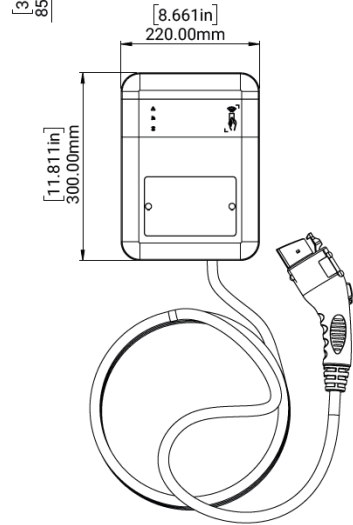
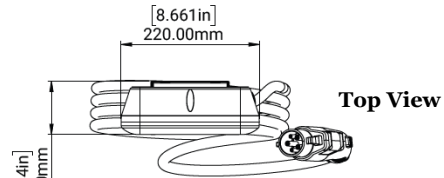
Side View



Top View

Pedestal Mount

Dimensions



Features

Feature	Description
Power, Current, and Voltage Rating	Adjustable up to 15.4 KW (Manual selection switch to configure to 8 Amps/16 Amps/24 Amps/32 Amps /40 Amps /48 Amps /64 Amps /80 Amps, 208 V/240 V (Split Phase) AC (+/- 20%).
IP Rating	IP65 (Outdoor and Indoor rated).
Required Service Panel	Dedicated Dual Pole rated for 125% of maximum load
Breaker	(ex: 100A breaker for 80A output)
Electrical and Safety Protections	Inbuilt ground fault, surge, and overload protections.
Protocols and Communications Standards	OCPP 1.6 J.
Load & Power Management	Open and interoperable demand management, load management, power sharing and power management.
Power Sharing	Software configurable remote switching and power sharing from 0% to 100%.
Communication Channels	Multiple options such as Wi-Fi, cellular, Bluetooth, and Ethernet.
Metering	Embedded Class 1.0 electricity meter, other metering options such as ANSI and Measurement Canada certified meters are available*.
	Real-time power, voltage, and current.
	Time series data for real-time, daily, weekly, and monthly billing and monitoring.
Data Retention and Storage	90 days historical local storage on a rolling basis to prevent loss of data, peer to peer communication, data is strictly stored in Canada.
System Updates	Over the air.
Charging Cable Type	SAEJ1772 plug type 1 with 5/7 meters cable.
Display	TFT LCD, Size: 36.72 (Height) x 48.96 (Width) mm, Resolution: 320 (Height) x 240 (Width) RGB

* This feature is available for customization.

Specifications

Electrical	Supply Voltage	208 V/240 V AC, (+/-) 20%, 50/60 Hz.
	Wiring Connection	Split phase or 3 phase.
	Rated Current (A)	Up to 80 Amps.
	Vehicle Connection	Default J1772, optional NACS*.
	Ground Fault Protection	Limit of 20mA leakage current.
	Over Voltage Protection	Configurable.
	Over Current Protection	Configurable.
	Electricity Metering	Embedded Class 1.0 electricity meter, other metering options such as ANSI and Measurement Canada certified meters are available. *
	Safety	Inbuilt ground fault, surge, and overload protections.
	Charging Cable	Default 5 meters (16.4 Feet); 7 meters (23 Feet) or more is available on request*.
Communications	Connectivity	Default - Wi-Fi (2.4 GHz) and Bluetooth Optional - Cellular/ Ethernet.
	Application Protocol	OCPP 1.6 J.
	Authentication	Default - RFID and Mobile App.
	LED Visual Indicators	Health diagnostics, network health, charger and charging status.
Smart Management Features	Load and Power Management	Software-based configurable load management, power sharing with/without network.
	Firmware Upgrades Over the Air.	Over the Air.
	Monitoring and Billing	Real-time power, voltage, current, time series data for real-time, daily, weekly, monthly EV charging billing.
	Smart Connectivity	Peer to peer communication.
	Local Data Storage	Up to 90 days historical local storage on a rolling basis to prevent loss of data.
	Data Security and Protection	Data remains within Canada. Highly secure WebSocket connections ensure no leakage of data.
	Smart monitoring	Cloud connected and able to perform full operations in absence of network.
Mechanical	Operating Temperature	-30°C to 50°C (-22°F to 122°F) ambient
	Storage Temperature	-40°C to 60°C (-40°F to 140°F) ambient
	Material	Polycarbonate or ABS+PC Blend.
	Enclosure Rating	NEMA 4, IP65 (Outdoor and Indoor rated).
Compliance	EMC	Federal Communications Commission ('FCC') part 15 Class A/B, Industry Canada.

* This feature is available for customization.

Product Model Selector

Feature / Model	EVSE E8o Pro	EVSE E8o Advance	EVSE 8o Ultimate
Charging Level	Level 2 AC, 80A (19.2kW)	Level 2 AC, 80A (19.2kW)	Level 2 AC, 80A (19.2kW)
Charger Cable Length	5 Meters or 7 Meters	5 Meters or 7 Meters	5 Meters or 7 Meters
Connection Options	Hardwired	Hardwired	Hardwired
OCP Compliance	✓	✓	✓
Embedded Metering	✓	✓	✓
Wi-Fi / Bluetooth	✓	✓	✓
Ethernet	✓	✓	✓
Cellular (4G)	✗	✓ (Optional)	✓ (Optional)
RFID Support	✓	✓	✓
LCD Display	✓	✓	✓
Measurement Canada Certified Meter	✗	✗	✓

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