

EVDC-PRO-80/160 - 160/160 (NA)

80 - 160 kW DC Fast Chargers



Stand-Alone DC Fast Chargers.
High Performance. Future-Ready.

System Features

Dual Vehicle Charging

- Intelligent power sharing enables two vehicles to charge simultaneously without delays or reduced performance, maximizing throughput.

Future-Proof VDC Output Range

- Wide 200 –1000 VDC output supports high-voltage EV battery architectures, ensuring compatibility with current and next-generation electric vehicles.

Certified for Public Charging

- Engineered to meet CTEP and NTEP standards for both hardware and software, enabling accurate energy measurement for public charging and billing.

Ultra-High Efficiency

- 96% energy conversion minimizes power loss and significantly reduces operating costs, especially under peak-load conditions.

Integrated Cable Management

- Built-in system protects cables from excessive wear and tear, enhancing safety, durability, and user experience while reducing maintenance.

Versatile Start-Up Modes

- Supports RFID, OCPP, QR code, or optional credit card reader, allowing site operators to choose the most convenient and secure method for user access.

ADA-Compliant Design

- Built for inclusive access with barrier-free cable reach and user interface height, meeting ADA regulations





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System Specifications

Model numbers shown as X/Y indicate installed power (X) and maximum scalable power (Y).
e.g. 80/160 = 80 kW installed, scalable up to 160 kW.

Output Specifications			
Model Number	EVDC-PRO-80/160 (NA)	EVDC-PRO-120/160 (NA)	EVDC-PRO-160/160 (NA)
Connectors	CCS1 + CCS1		
Output Power	80 kW	120 kW	160 kW
Upgradeable Power	Increase power by adding 40 kW modules to max 160 kW*	Increase power by adding one 40 kW module to max 160 kW*	-
Output Voltage	200 - 1000 VDC		
Max. Output Current	300 A		
Peak Efficiency	96%		
Input Specifications			
Input Voltage	480 VAC +/- 10%		
Input Frequency	50 / 60 Hz		
Input Type	3Phase + PE		
Max. Input Current	100 A	150 A	200 A
Power Factor	0.99		
THDi	<5%		
General Specifications			
Communication Protocol	OCPP1.6J		
Communication Interface	4G / LAN		
Authentication Modes	RFID, QR Code, OCPP and optional POS terminal		
Cooling Method	Air cooling		
Cable Length	5 m (16.4 ft) (optional extended lengths available)		
Display	15" HD touchscreen with video capability		
Operating Temperature	-22°F (-30°C) to 149°F (65°C)		
Humidity	5 - 95% Rh non-condensing		
Operational Altitude	<2000 m (<6562 ft)		
Protection Ratings	IP55 / IK10		
Dimensions W x D x H	580 x 850 x 1900 mm 22.8 x 33.5 x 74.8 in		
Weight	324 kg 715 lbs	343 kg 756 lbs	362 kg 798 lbs
Standards/Certification	UL 2202:2022, UL 2231:2022, CSA C22.2 No.363:2022, FCC part 15 subpart B:2021, ICES-002:2020, Energy Star, ISO 15118, CTEP & NTEP		
Warranty	3 years (optional extended warranty available)		

* Adding more modules increases the required input current and may necessitate upgrades to on-site electrical components to maintain safe and reliable operation.



**Ready to take control of your
EV charging future?**

Contact us at
evesco@power-sonic.com
to accelerate your electrification strategy.

