

EVDC-CORE Series (NA)

60 - 360 kW DC Fast Chargers



Stand-Alone DC Fast Chargers.
Dependable Power. Practical Design.

System Features

Simultaneous Vehicle Charging

- Supports two vehicles charging at the same time with controlled power sharing, helping maintain consistent charging performance and improve site utilization.

Wide DC Output Voltage Range

- A 300–1000 VDC output range supports a wide variety of EV battery systems, ensuring compatibility with both current vehicles and evolving EV platforms.

Liquid-Cooled Cables (150 kW+)

- Liquid-cooled charging cable options from 150 kW and above, enabling higher continuous current delivery while improving thermal stability.

Ultra-High Efficiency

- Up to 96% energy conversion reduces power loss and heat generation, lowering operating costs and improving overall system efficiency during continuous operation.

Integrated Cable Management

- Built-in cable management reduces mechanical stress and wear, improving safety, extending cable life, and lowering ongoing maintenance requirements.

Multiple Authentication Options

- Supports RFID, OCPP, QR code, and optional credit card readers, providing secure and flexible access methods to suit different operational models.





EVDC-CORE-60 - 180 (NA)

60 - 180 kW DC Fast Chargers

System Specifications

Output Specifications

Model Number (Air-Cooled)	EVDC-CORE-60 (NA)	EVDC-CORE-90 (NA)	EVDC-CORE-120 (NA)	EVDC-CORE-150 (NA)	EVDC-CORE-180 (NA)
Model Number (Liquid-Cooled)	-			EVDC-CORE-150-LIQ (NA)	EVDC-CORE-180-LIQ (NA)
Connectors	CCS1 + CCS1, CCS1 + NACS, or NACS + NACS				
Output Power	60 kW	90 kW	120 kW	150 kW	180 kW
Output Voltage	300 - 1000 VDC				
Output Current (Air-Cooled)	CCS1: 125 A NACS: 125 A		CCS1: 250 A NACS: 250 A		CCS1: 250 A NACS: 250 A
Output Current (Liquid-Cooled)	-			CCS1: 400 A NACS: 600A	
Peak Efficiency	96%				

Input Specifications

Input Voltage	480 VAC +/- 10%				
Input Frequency	50 / 60 Hz				
Input Type	3Phase + PE				
Input Current	74 A	110 A	147 A	184 A	221 A
Power Factor	0.99				
THDi	<5%				

General Specifications

Com Protocol	OCPP1.6J				
Com Interface	4G / LAN / Wi-Fi				
Authentication Modes	RFID, QR Code, OCPP and optional POS terminal				
Cable Length	5 m / 16.4 ft (optional extended lengths available)				
Display	10" LCD touchscreen				
Operating Temperature	-4°F (-20°C) to 122°F (50°C)				
Humidity	5 - 95% Rh non-condensing				
Operational Altitude	<2000 m / <6562 ft				
Protection Ratings	IP54 / IK10				
Dimensions W x D x H	950 x 490 x 1650 mm 37.4 x 19.3 x 65.0 in			900 x 570 x 1600 mm 35.4 x 22.4 x 63.0 in	
Weight	265 kg 585 lbs	307 kg 677 lbs	327 kg 721 lbs	347 kg 765 lbs	428 kg 944 lbs
Protection	Under-voltage protection, over-voltage protection, DC over-current protection, over-temperature protection, surge protection device, emergency stop protection, overload protection, short circuit protection				
Standards/Certification	IEC 61851, IEC 62196, DIN 70121, ISO 151118, UL			IEC 61851, IEC 62196, DIN 70121, ISO 151118	
Warranty	3 years (optional extended warranty available)				



EVDC-CORE-210 - 360 (NA)

210 - 360 kW DC Fast Chargers

System Specifications

Output Specifications

Model Number	EVDC-CORE-210 (NA)	EVDC-CORE-240 (NA)	EVDC-CORE-300 (NA)	EVDC-CORE-360 (NA)	EVDC-CORE-360-FIXED (NA)
Connectors	CCS1 + CCS1, CCS1 + NACS, or NACS + NACS				CCS1 + CCS1
Output Power	210 kW	240 kW	300 kW	360 kW	180 kW + 180 kW*
Output Voltage	300 - 1000 VDC				
Output Current	CCS1: 400 A NACS: 600 A		CCS1: 600 A NACS: 600 A		250 A
Peak Efficiency	96%				

Input Specifications

Input Voltage	480 VAC +/- 10%				
Input Frequency	50 / 60 Hz				
Input Type	3Phase + PE				
Input Current	258 A	295 A	368 A	442 A	442 A
Power Factor	0.99				
THDi	<5%				

General Specifications

Com Protocol	OCPP1.6J				
Com Interface	4G / LAN / Wi-Fi				
Authentication Modes	RFID, QR Code, OCPP and optional POS terminal				
Cable Cooling Method	Liquid-cooled				Air-cooled
Cable Length	5 m / 16.4 ft (optional extended lengths available)				
Display	10" LCD touchscreen				
Operating Temperature	-4°F (-20°C) to 122°F (50°C)				
Humidity	5 - 95% Rh non-condensing				
Operational Altitude	<2000 m / <6562 ft				
Protection Ratings	IP54 / IK10				
Dimensions W x D x H	950 x 780 x 2280 mm 37.4 x 30.7 x 89.8 in			900 x 570 x 1600 mm 35.4 x 22.4 x 63.0 in	
Weight	618 kg 1362 lbs	638 kg 1407 lbs	678 kg 1495 lbs	718 kg 1583 lbs	
Protection	Under-voltage protection, over-voltage protection, DC over-current protection, over-temperature protection, surge protection device, emergency stop protection, overload protection, short circuit protection				
Standards/Certification	IEC 61851, IEC 62196, DIN 70121, ISO 151118				
Warranty	3 years (optional extended warranty available)				

* The EVDC-CORE-360-FIXED is equipped with two fixed 180 kW DC charging cables, each capable of delivering up to 180 kW independently.



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

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

