POWERPSONIC
TRUSTED BATTERY SOLUTIONS

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EVDC-PRO-80/160 - 160/160-ER (EU)

80 - 160 kW DC Fast Chargers

Eichrecht Certified DC Fast Chargers.
High Performance. Compliance-Ready.

System Features

Eichrecht Certified

- Certified with German calibration law (Eichrecht) for public charging, ensures transparent, legal billing of energy delivered (kWh).

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.

Dual Vehicle Charging

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

Ultra-High Efficiency

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

Integrated Cable Management

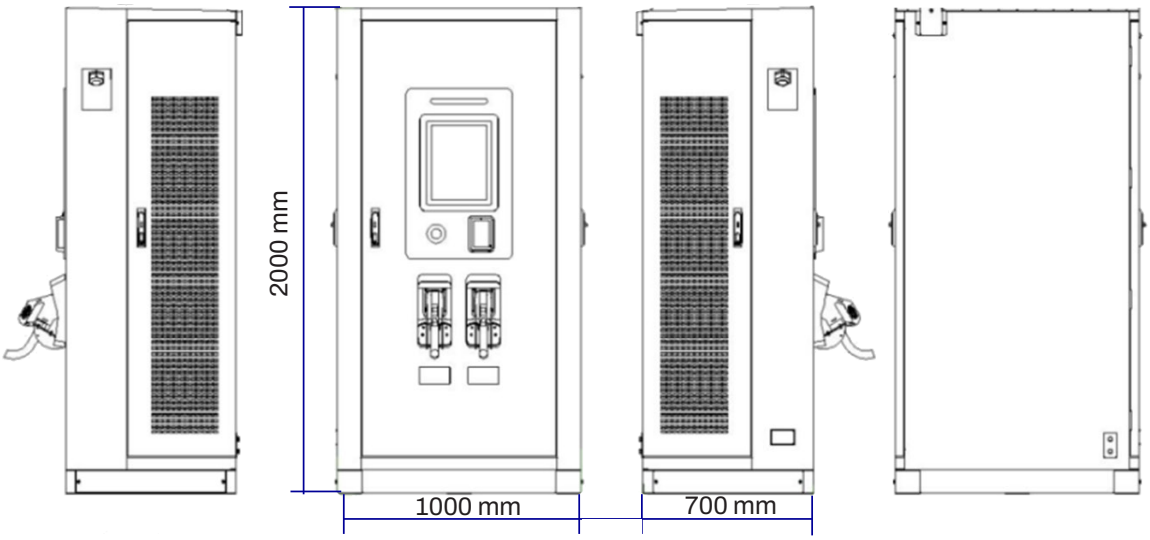
- Built-in system protects cables from excessive wear and tear, enhancing safety, durability, and user experience while reducing maintenance.

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.

Upgradeable Power Output

- Scale charging power from 80 kW up to 160 kW in 40 kW increments by adding additional power modules, ready to grow as demand increases.



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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-ER (EU)	EVDC-PRO-120/160-ER (EU)	EVDC-PRO-160/160-ER (EU)
Connectors	CCS2 + CCS2		
Output Power	80 kW	120 kW	160 kW
Upgradeable Power	Increase power in 40 kW increments up to 160 kW*		
Output Voltage	200 - 1000 VDC		
Output Current	CCS2: 200 A		
Peak Efficiency	96%		
Input Specifications			
Input Voltage	400 VAC +/- 10%		
Input Frequency	50 / 60 Hz		
Input Type	3Phase + N + PE		
Max. Input Current	150 A	223 A	297 A
Power Factor	0.99		
THDi	<5%		
Grounding Type	TN-S, TT		
General Specifications			
Com Protocol	OCPP1.6J		
Com Interface	4G / LAN		
Authentication Modes	RFID, QR Code, OCPP and optional POS terminal		
Cooling Method	Air cooling		
Cable Length	5 m (optional extended lengths available)		
Display	15” HD touchscreen with video capability		
Operating Temperature	-13°F (-25°C) to 149°F (65°C)		
Humidity	5 - 95% Rh non-condensing		
Operational Altitude	<2000 m		
Protection Ratings	IP55 / IK10		
Dimensions W x D x H	1000 x 700 x 2000 mm		
Weight	440 kg	460 kg	480 kg
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, electric leakage protection, reverse connect protection, over-charge protection		
Standards/Certification	IEC 61851, IEC 62196, DIN 70121, ISO 151118, CE, TUV, Eichrecht		
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.

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Ready to take control of your EV charging future?

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

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