

EVDC-ULTRA Series (EU)

400 - 800 kW DC Fast Chargers



Ultra Fast Chargers.

Stand-Alone Power. Scalable Distribution.

System Features

Stand-Alone Ultra Fast Charging

- Operates as a full 400 kW, 640 kW or 800 kW DC fast charger, delivering maximum power from a single integrated system while supporting flexible site integration.

Powerful Output Delivery

- Delivers up to 700 A, with continuous charging at 500 A, ideal for heavy-duty EVs needing stable, high-speed performance under demanding loads.

Dual-Mode Power Architecture

- Functions as both a high-power stand-alone charger and a centralized power bank, enabling flexible deployment as site requirements evolve.

Ultra-High Efficiency

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

Flexible Charging Configuration

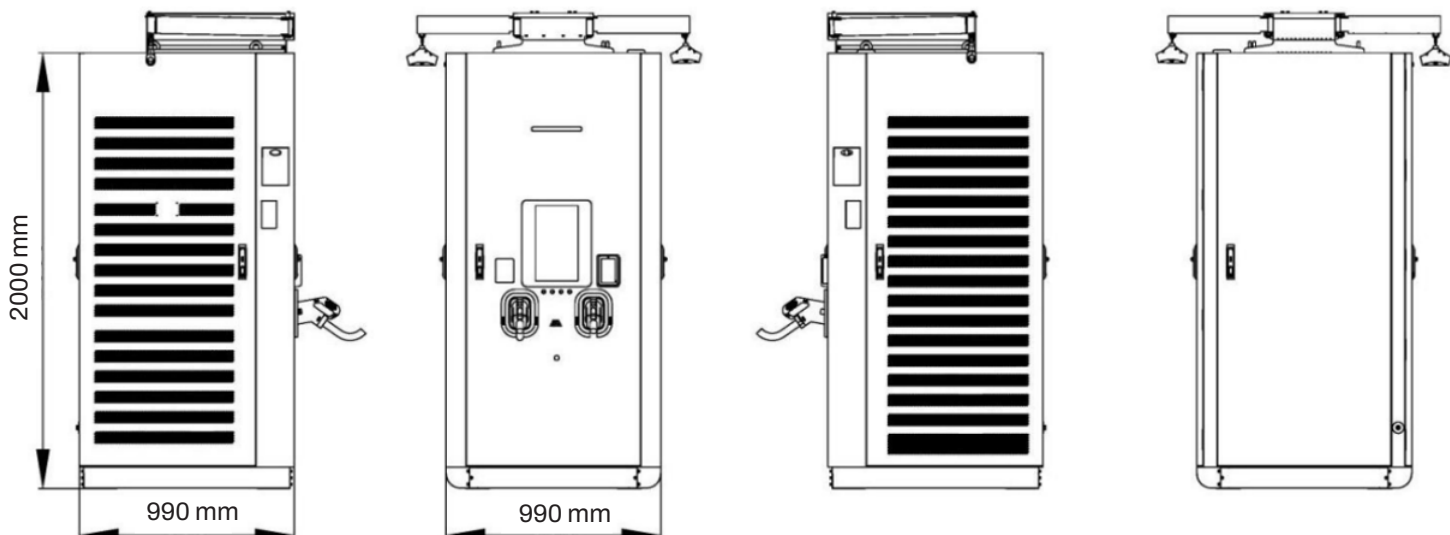
- Supports two integrated charging cables in stand-alone mode or up to four charging cables with the addition of a charging dispenser, adapting to different site layouts and demand levels.

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.

Intelligent Power Distribution

- Distributed charging functionality is enabled via an optional additional dispenser. See the configuration examples section on a later page.





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400 - 800 kW DC Fast Chargers

System Specifications

Output Specifications			
Model Number	EVDC-ULTRA-400 (EU)	EVDC-ULTRA-640 (EU)	EVDC-ULTRA-800 (EU)
Output Power	400 kW	640 kW	800 kW
Connector Configuration	CCS2 + CCS2 (integrated) Up to 4 CCS2 with additional dispenser		
Output Voltage	200 - 1000 VDC		
Max. Output Current (By Cable Configuration)	2 × 350 A (air-cooled) 2 × 500 A (liquid-cooled) 350 A + 500 A (mixed cable configuration)		2 × 500 A (liquid-cooled)
Peak Efficiency	96%		
Input Specifications			
Input Voltage	400 VAC +/- 10%		
Input Frequency	50 / 60 Hz		
Input Type	3Phase + N + PE		
Max. Input Current	740 A	1175 A	1450 A
Power Factor	0.99		
THDi	<5%		
Grounding Type	TN-S, TT, TN-C-S		
General Specifications			
Operating Modes	Stand-alone DC fast charging / Distributed charging with additional dispenser		
Communication Protocol	OCPP1.6J / OCPP2.0.1		
Communication Interface	4G / LAN		
Authentication Modes	RFID, QR Code, OCPP and optional POS terminal		
Cable Length	5 m (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		
Protection Ratings	IP54 / IK10		
Dimensions W x D x H	990 x 990 x 2000 mm		
Weight	691 kg	805 kg	850 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, RED, MID		
Warranty	3 years (optional extended warranty available)		

Dual-Mode Power Architecture

Stand-Alone Fast Charging or Distributed Power Delivery

Stand-Alone Mode



- 400 kW, 640 kW or 800 kW integrated power
- 2 x CCS2 charging cables
- Single-unit deployment

Distributed Mode



Power distribution
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- Centralized 400 kW, 640 kW or 800 kW power unit
- Up to 4 x CCS2 charging cables
- Intelligent power distribution

The same 400 kW, 640 kW or 800 kW unit can operate as a stand-alone charger or distribute power to an additional dispenser, intelligently sharing available power across two charging cables in stand-alone mode or up to four cables in distributed mode.



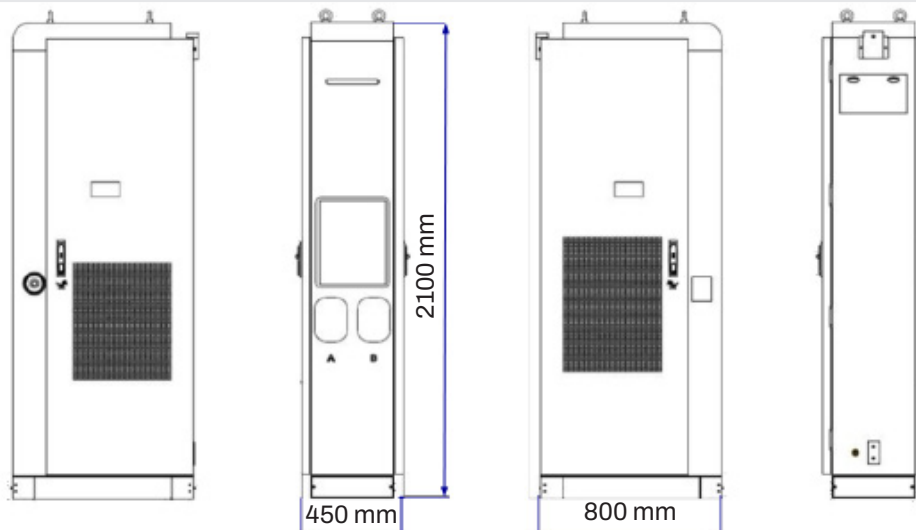
EVDS Series

EV Charging Dispensers - For **Distributed** Mode

System Specifications

Dual Connector Dispenser Specifications

Model Number	EVDS-CCS2/CCS2-33 (EU)	EVDS-CCS2/CCS2-53 (EU)	EVDS-CCS2/CCS2-55 (EU)
Connectors	CCS2 + CCS2 Both cables air-cooled	CCS2 + CCS2 One cable air-cooled + one cable liquid-cooled	CCS2 + CCS2 Both cables liquid-cooled
Output Power (model-dependent)	up to 700 kW	up to 800kW	up to 800 kW
Output Voltage	200 - 1000 VDC		
Max. Output Current	Continuous 350 A + 350 A Boost to 500 A + 500 A	Continuous 350 A + 500 A Boost to 500 A + 700 A	500 A + 500 A Boost to 700 A + 700 A
Peak Efficiency	96.5%		
Communication Protocol	OCPP1.6J / OCPP2.0.1		
Communication Interface	4G / LAN		
Authentication Modes	RFID, QR Code, OCPP and optional POS terminal		
Cable Length	5 m (optional extended lengths available)		
Display	15" HD touchscreen with video capability		
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		
Operating Temperature	-13°F (-25°C) to 122°F (50°C)		
Humidity	5 - 95% Rh non-condensing		
Operational Altitude	<2000 m		
Protection Ratings	IP55 / IK10		
Dimensions W x D x H	450 x 800 x 2100 mm		
Weight	270 kg		
Standards/Certification	IEC 61851-1, IEC 61851-23, IEC 61851-21-2, DIN70121, ISO 15118, CE, RCM, Eichrecht, MID-compliant		
Warranty	3 years (optional extended warranty available)		





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

Contact us at
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to accelerate your electrification strategy.

