



EVDC-90 (EU) 2nd generation Specifications

Accelerating mass adoption of electric vehicles by delivering sustainable fast charging solutions that can be deployed anywhere



ELECTRIC VEHICLE ENERGY STORAGE COMPANY

EVDC-90 (EU) 2nd generation

90kW DC Fast Charger

FEATURES

- True simultaneous charging - charge two cars at the same time
- UL compliant EV charging station
- Future-proof design with 1000 V max output
- Driver friendly with a 10" LCD touchscreen and simple to use interface
- CHAdeMO and CCS2 or dual CCS2 charging cables
- Ethernet, 4G and Wi-Fi network connectivity
- OCPP 1.6 and ISO 15118 compliant
- Start modes include plug-n-play, RFID card, OCPP and optional POS
- IP54 rated enclosure ideal for a wide range of locations and conditions



SPECIFICATIONS		SPECIFICATIONS CONT..	
Connectors	CHAdeMO + CCS2 or CCS2 + CCS2	Start-up Mode	Automatic charging / RFID card / OCPP
Output Power	90 kW (can charge two cars one at 60 kW and one at 30 kW simultaneously)	POS (Credit Card Reader)	Optional (enabling card payments)
Output Voltage	300 - 1000 V	LCD Display	10 inch touchscreen
Output Max Current	125 A (0 - 125 A variable range)	Protection	Over / under voltage protection, overload protection, short circuit protection, over / under temperature protection, surge protection, communication failure
Supply Input	400 Vac (+/- 10%)	IP rating	IP54
Supply Frequency	50 Hz	Emergency Stop Button	Yes
Input Current	133 A (@ 400 Vac)	Cooling Method	Forced air cooling
Grounding Detection	30 mA	Operating Temperature	-4°F (-20°C) to 122°F (50°C)
Efficiency	≥96% (50%-100% load)	Operating Humidity	5%-95% without condensation
Power Factor	≥0.99	Dimensions (W x D x H)	37.4 x 19.3 x 65.0 (950 x 490 x 1650) inch (mm)
Harmonic Current	<5%	Weight	~307 kg (677 lbs)
Ripple Voltage	1%	Certification	UL, CE, IEC 61851, ISO 15118
Network Connectivity	Ethernet / 4G / Wi-Fi	MTBF	100,000 hours
Communication Protocol	OCPP 1.6	Warranty	2 years as standard
Charging Cable Length	5 m (16.4 ft)		



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