

Electric Vehicle Infrastructure

Evology DC 90kw Charger



The Evology 90kw Charger is perfect for quickly topping up a battery. This system can provide motorists with up to 100 miles of range in as little as 15 minutes. This charger features a single outlet Combined Charging System (CCS) with a cable management system, allowing it to connect while keeping around the vehicle clear.

A rapid charge is a perfect chance to stretch your legs or take a break from driving while your battery tops up, and thanks to our Monitoring Bollard, site owners get additional peace of mind that their bay and equipment aren't being taken up by unauthorised use, making life much easier for visitors to the car park.

Specifications	Evology DC 90kw Charger
Electrical	
Max output power	90 kW
AC Input voltage	480Y / 277 VAC +/- 10 % (60 Hz)
AC input connection	3-phase: L1, L2, L3, GND (no neutral)
Nominal input current and input power rating	115 A, 96 kVA
Recommended upstream circuit breaker(s)	150 A
Power Factor*	> 0.96
Current THD*	< 5%
Short circuit current rating	65 kA
DC output voltage	CCS-1: 150 - 920 VDC; CHAdeMO: 150 - 500 VDC
DC output current	CCS-1: 200 A; CHAdeMO: 200 A
Efficiency*	95%
Interface and Control	
Charging protocols	CCS1 and CHAdeMO 1.2
User interface	7" high brightness full color touchscreen display
RFID system	ISO/IEC 14443A/B, ISO/IEC 15393, FeliCa™ 1, NFC reader mode, Mifare, Calypso, (option: Legic)
Network connection	GSM/3G/4G modem; 10/100 Base-T Ethernet
Communication	OCPP 1.6 Core and Smart Charging Profiles; Autocharge via OCPP
Supported languages	English (others available on request)
Environment	
Operating temperature	-35 °C to +55 °C / -31 °F to +131 °F (de-rating characteristics apply at extreme temperatures)
Recommended storage conditions	-10 °C to +70 °C / 14 °F to +158 °C (dry environment)
Protection	IP54, NEMA 3R; indoor and outdoor rated
Humidity	5% to 95%, non-condensing
Altitude	up to 2000 m (6560 ft)
General	
Charge cable	6 m (19.6 ft)
Dimensions (H x W x D)	1900 x 565 x 880 mm / 74.8 x 22.2 x 34.6 in
Weight	350 kg / 775 lbs
Compliance and safety	UL 2202, CSA No. 107.1-16; UL 2231-1, UL 2231-2, CSA STD C22.2 No. 107.1; NEC Article 625, EN 61851, EN 62196; CHAdeMO 1.2; DIN 70121, ISO 15118; IEC 61000-6-3; EMC Class B, FCC Part 15

*Data shown at nominal output power