

Electric Vehicle Infrastructure

Evology DC 120kw Charger



If visitors to your car park are going to be some time, such as when shopping, visiting a restaurant or watching a film then our Evology DC 120kw Charger could be the perfect addition to your EV infrastructure. Featuring a dual outlet CCS this charger can top up batteries on two vehicles simultaneously.

Simultaneous, high powered fast charging, is ideal for sites which need to maximise the potential of their charging assets, delivering fast charging and helping to serve an ever-increasing number of high-capacity electric vehicles. This is all protected by our monitoring bollard, ensuring that your chargers maximise their potential, free from abuse.

Specifications	Evology DC 120kw Charger
Electrical	
Max output power	120 kW or 60 kW x 2
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	153 A, 128 kVA
Recommended upstream circuit breaker(s)	200 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	365 kg / 800 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