

Chameleon

Product Brochure

Product Features & Technical Specification.

What you'll see.



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Software that powers Connected Kerb charging solutions.

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Product Overview

The Chameleon is a bollard-style, dual charging point designed and manufactured in the UK, and it is one of the lowest impact and smallest dual EV charge points for on-street charging on the market.

Chameleon is compatible with Connected Kerb's below-ground power packs to ensure hassle-free maintenance, future upgrades, and non-disruptive scalability.

Whether you're a local authority, a developer, or a business, the Chameleon is perfect for you. Its adaptable design, advanced AC capabilities, and impressive lifespan of 10-15 years make it a versatile choice for various settings such as:

- On-street car parks
- Long-Dwell destinations
- Residential Developers
- Commercial Developers
- Workplaces
- Fleet Managers, and more.

The Chameleon enables Connected Kerb to strengthen its position in the electric vehicle charging market by reducing overall costs and by providing a charging solution that blends into street scenery and is built to withstand even the harshest weather conditions.



Product Highlights

7kW-22kW optimal charging speed

Perfect power for longer stays and overnight charging near home, at the workplace, or at the retail and destination car parks.

Highly-efficient dual socket

Saves time and space and ensures more productive charging as two vehicles can be charged simultaneously, accessing the same chargepoint.

Low visual impact

Sleek & elegant, Chameleon won't clutter the pavement or detract from the aesthetic appeal of the surrounding area.

Durable & sustainable

Made of recycled steel, Chameleon is both sustainable and eco-friendly. You can rest assured that your charging infrastructure is not only efficient but also environmentally responsible.

Durable housing material with galvanised and powder-coated gloss black supports IP54 and IK10 impacts.

Advanced power management

Supports static and dynamic load management (DLM) that help optimise electricity usage and allows charging of multiple EVs at the same time, without putting strain on the grid.

MID meter enabled

Integration with MID-certified meters enables public use of charge points installed in privately accessible car parks and ensures accurate, compliant, and fair energy measurement and billing.

Future-proof design

Our modular design consisting of an above-the-ground socket and underground data pack, allows non-disruptive upgrades to future technologies and easy installation and maintenance with minimal downtime reducing the impact on the user experience.

Champion connectivity

Chameleon can be connected to IoT (Internet of Things) sensors to provide surrounding environmental data, such as air quality, temperature, and parking bay occupancy.

It can also be fitted with street-level 5G repeater units, facilitating future adoption of 5G in residential environments.

Our Software

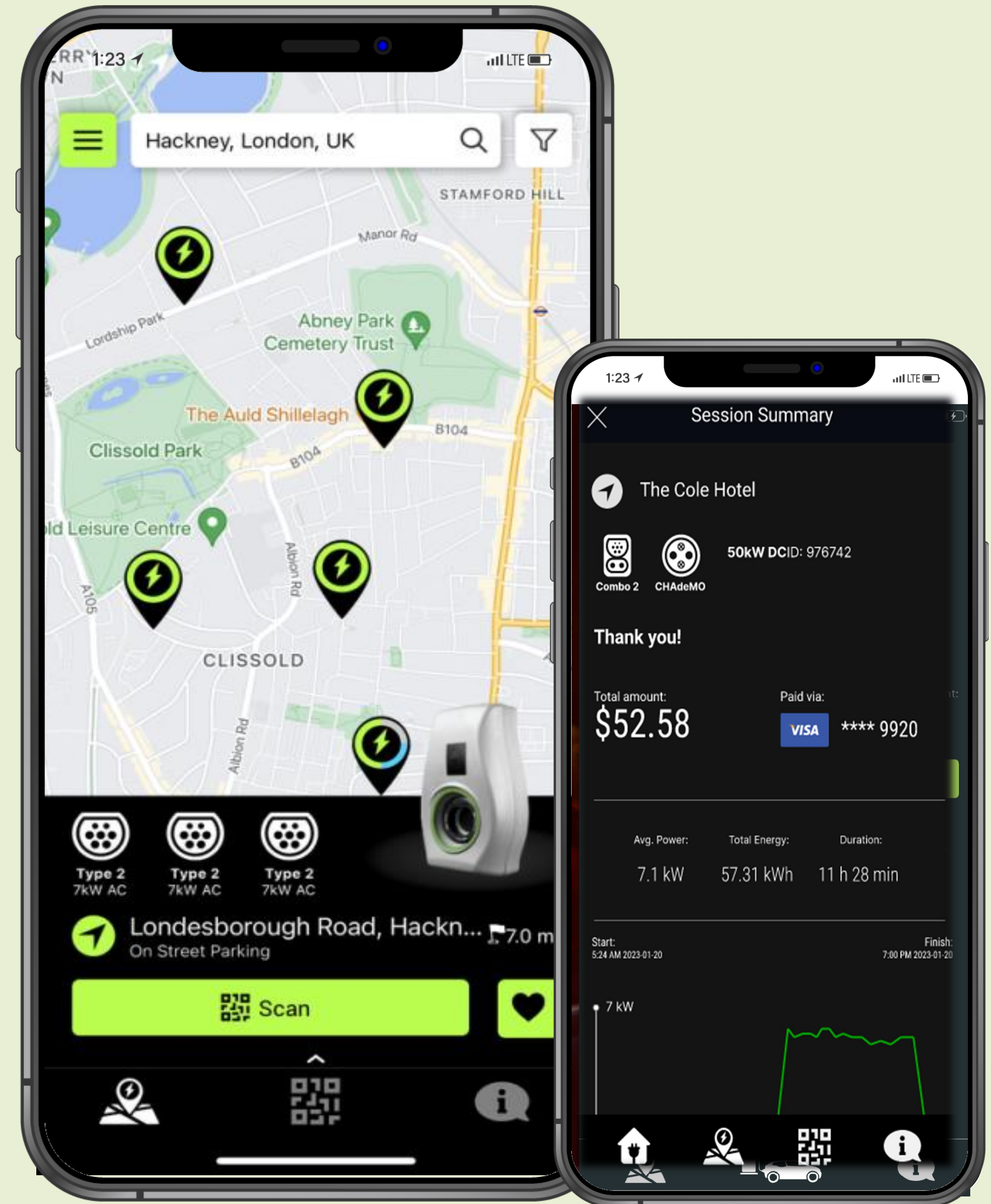
Our operating platform uses Open Charge Point Interface 1.6 Open Charge Point Protocol 2.01 (OCPI 1.6 / OCPP2.01) compliant intelligent software and features:

- A mobile phone app for Apple and Android devices.
- Advanced energy management functionality.
- Smart tariff, charging and booking functionality.
- Contactless payment options with RFID, mobile web payments.
- 24/7 customer service with remote problem solving.
- A comprehensive maintenance and repair network supporting 99% uptime performance.

Deployment in all scenarios.



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Technical Specification.

Unit Configuration	Power Pack Configuration	Socket Configuration
Dual 7kW	Dual Input / Dual Output	Dual Socket Arrangement
Dual Shared 7kW	Single Input / Dual Output	Dual Socket Arrangement
Single 7kW	Single Input /Single Output	Single Socket Arrangement
Single 22kW	Single Input / Single Output	Single Socket Arrangement
Dual 22kW + 22KW	Single Input /Single Output Parent + Child Configuration (2 power packs)	Dual Socket Arrangement

Remote Diagnostic and Management Features

Remote Error Detection
Remote Reset
Remote Firmware Update

Working and Storage Environment

IP Rating	IP54
IK Rating	IK10 (Excluding Sockets and NFC Reader)
Temperature	Operational: -20°C to 40°C
Cooling	Natural Air Cooling
Storage Temperature	-40°C to 50°C
Humidity	5% -90% Relative Humidity, Non-Condensing
Altitude Operating	TBC
Extreme Temperatures/ Fluctuations	Extreme High Temperatures May Require Cooling Provision

Compliance

2014/35/EU Low Voltage Directive
2014/53/EU Radio Equipment Directive
2014/30/EU Electromagnetic Compatibility Directive
2012/19/EU Waste Electrical and Electronic Equipment Directive
2011/65/EU Restriction of Hazardous Substances Directive
1907/2006/EC Registration, Evaluation, Authorization and Restriction of Chemicals

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Technical Specification.

Chameleon			
Model Name		TBC	TBC
Power Pack Compatibility		7.4kW	22kW
Incoming Power Supply		Single Phase	Triple Phase
Number of Sockets		Single (Type 2)	Dual (Type 2)
Post Height		990m	990m
Post Diameter		152mm	152mm
Load Balancing		Yes	Yes
Socket Type		Type2 IEC 62196 (16A)	Type2 IEC 62196 (32A)
# of sockets		1	2
Charging Cable		Non tethered (cable offering not in scope)	
User Interface / Instructions	Status Indicator	LED Green = System Ready LED Flashing Green = Ready to charge LED Flashing Blue = Charging LED White = Communication With Back-end System Three flashing lights = System Error	
	Label Type	QR Code	
App Compatibility		Android / IOS	
Power Pack Series Compatibility		PP1DD070 / PP3SS220	
Power Input	Input Voltage	240V	400V
	Phase	Single	Triple
Power Output	Output current	32A	32A
	Total Power	7.3kW	22kW
Connectivity		GSM/3G/4G	GSM/3G/4G
Charge Controller		CC613 (Bender)	
NFC	NFC Module	RFID117-L1	
	# Of Module	1	2
	Compliance	ISO14443A/MIFARE	
	Frequency	RFID frequency 13.56MHz	
Post	Number of Posts	Single post	
	Material	Steel	
	Thickness	~3mm post ~6mm base plate	
	Height	990mm	
	Treatment	Galvanized	
	Diameter	~152mm	~152mm
	Weight	25Kg	<25kg
	Colour	Black (matt)	
	Other treatment	Anti-Graffiti	

