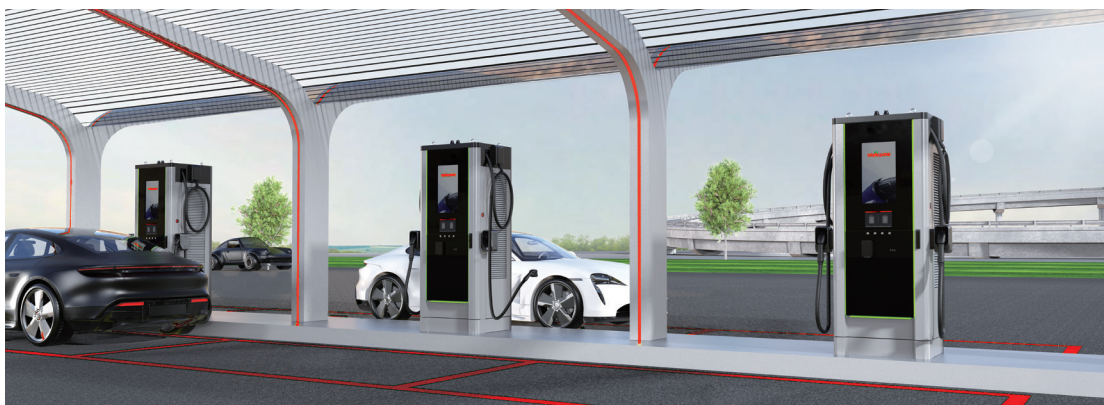# Public EV Charging

HYDRA
ELECTRIC VEHICLE CHARGERS

GOLIATH PRO
Fast Charging Station

Designed for forecourts, motorways, retail and urban applications.

Features

180kW Ultra-Fast Charging
The Goliath Pro provides ultra-fast 180kW DC charging with a future-proof Max output of 375A & 1000V, allowing your EV to reach full charge in 35-40 minutes.

Smart Allocation & Parallel DC Charging Parallel DC charging allows the Goliath Pro to charge two EVs at the same time. Parallel DC charging and smart allocation allow for maximum efficiency.

Intelligent Safety
The charger features smart temperature control of equipment and charging connectors. Comprehensive protection against overvoltage, undervoltage, overloading as well as ground protection and SPD protection together ensure that your safety when charging is always guaranteed.

Large AD Screen

The Goliath Pro features a sleek 12" AD screen bringing the charging station to life with vibrant visuals. The screen's size and paired-back design ensures that any information, targeted messaging or brand content is viewed with ease. Maximise AD revenue and increase your long-term ROI with the Goliath Pro.

Scalable Power Levels
As your demands change, so does the Goliath Pro's capability. The charger's design means power levels are scalable and retrofittable, perfect for maintenance whenever it is needed. Effortless modification with the Goliath Pro means it is always ready to adapt to real-world scenarios.

Modular Design for Easy Maintenance

The design of the Goliath Pro is highly modular, which reduces production time and costs.

GOLIATH PRO

Main Product		
System Specification	DC Interface	CCS2
	Application	Indoor or outdoor
	Smart Charging	"Dynamic allocation to two outlets smart phase in/out power modules for optimal efficiency"
	Operation Temperature	-30°C to +55°C
	Storage Temperature	-40°C to +80°
	Humidity	C 5%~95%
	Protection Rating	IP54
	Peak Efficiency	>96%
	Dimensions(mm) + Crate	H2280 x W880 x D1270 max.
	Weight	≤500kg
Power Supply	AC Input Voltage	400Vac +/-15% (50±10Hz)
	Network Type	TN-S, TN-C, TN-C-S, TT (with upstream RCD)
	THDi	<5% at normal power
	Power Factor	≥0.98
	Overvoltage Category	OVC III, DIN EN 60664-1
DC Output	Maximum Total DC Output Power	120/180kW max. 375A
	Output Voltage Range	150Vdc~1000Vdc
	Charging Connector	2*CCS2
	Cable Length	5m (7m optional)
General	Certifications	CE/UKCA
	DC-Protocol Standard	EN61851-23, DIN SPEC 7012, ISO 15118
	Charging System	IEC 61851-1 ed 3, IEC 61851-21-2 ed 1, IEC 61851-23 ed 1, IEC 61851-24 ed 1, IEC 62196-2, IEC 62196-3, IEC 61000
	RFID System	ISO/IEC 14443A: MIFARE Classic EV1
	Network Connections	2G/3G/4G GSM-/CDMA modem, 10/100Base T-ethernet
	Communications Protocol	OCPP 1.6J, OCPP 2.0.1 (future)
	User Interface	10.4" display, LCD
	Operational Life	10 years
Configuration Options	Branding	Options for custom colours (powder coating), foil application and stickers (Upon Request)
	Law on Weights and Measurements	"DC meters available in accordance with local Law on Weights and Measurements"
	Parametrisation of Noise Levels	Parameters can be set for the maximum noise level for day and night operation (e.g. for use in sensitive areas)
	Additional Safety Features	Emergency stop button, external emergency stop, crash (tilt) sensor, door switch
	Remote Management	Remote access, diagnostics, software updates Remote hard restart