



# HYDRA<sup>®</sup>

ELECTRIC VEHICLE CHARGERS

## HYDRA GOLIATH up to 180kW Ultra-Rapid DC

- Ultra-Rapid DC Charge
- Public Charging Application
- 3x5m Charging Guns
- Three Phase (530V)
- 60kW to 180kW DC Charging Output
- Ethernet/WiFi/4G Connectivity
- IP55 Weather Proof Rating
- Secured With OCPP cloud-Based Platform
- Pensio contactless payment solution



**The Hydra Goliath Rapid DC Charger has been designed to distribute load-balanced and rapid charging to three electric vehicles simultaneously.**

Fitted with a 10" touch-screen display, RFID card reader to control and monitor access, and our Pensio contactless payment solution it offers the widest possible opportunities from ring-fenced workplace charging or open, chargeable, public access charging to fully maximise faster return on investment.

Available in a base output of 60kW up to a maximum 180kW per vehicle.

The Goliath can be fully integrated with our unique Hydra Nexus online network management facility to offer a robust yet flexible and low maintenance EV

charging solution for most commercial and public locations.

The Hydra Goliath Rapid DC Charger is fitted with the latest in air cooled charging gun technology, and can be equipped with triple CCS2/CHAdeMO/Type 2 connectors or a mix of all three.

For safety the Goliath has built-in safety functions which can shut down the charger if it detects input under voltage, input over-voltage, output short-circuit, output over-voltage, output over-current, battery reverse connection, insulation detection, communication failure, etc. Additionally there is a fail-safe emergency stop button fitted to all Hydra EV chargers which can be manually operated in the event of a failure.



# HYDRA GOLIATH Rapid DC Charging

AC INPUT	
Input Rating	AC380V (±15%) 3-phase
AC input connection	3P+N+PE
Rated input current	3Ø 100A, 3Ø 150A, 3Ø 200A, 3Ø 250A, 3Ø 300A, 3Ø 400A
Frequency	50/60Hz
Power Factor	≥0.99
Efficiency	≥95%
DC OUTPUT	
Output voltage range	150V-1000V
Max output current	200A, 300A, 400A, 500A, 600A, 800A
Max output power	DC60kW, DC90kW, DC120kW, DC150kW, DC180kW, DC240kW
Voltage accuracy	≤±0.5%
Current Accuracy	≤±1%
USER INTERFACE AND CONTROL	
Display	10.1" LCD touchscreen
Buttons	Operation buttons and emergency stop
Authentication	RFID, OCPP, QR code, password, app
COMMUNICATIONS	
External	Ethernet, Wi-Fi, 3G/4G SIM
Internal	CAN, RS485, RS232
ENVIRONMENTAL	
Operating temperature	-30°C - +50°C
Humidity	<95% relative humidity, non-condensing
Altitude	≤2,000m (6,000ft)
MECHANICAL	
Ingress protection	IP55
Enclosure Protection	IK10
Cooling	Forced Air
Installation	Floor mounted
PROTECTION	
Protection	Over current, Under voltage, Over voltage, residual current, Surge protection, Short circuit, Over temperature, Ground fault
REGULATION	
Certificate and Standard	CE, EN IEC-61851-1:2019; EN61851-23:2014; EN 61851-24:2014; EN IEC 6185-21-2:2021