



## HYDRA GENESIS

### 7kW/22kW/43kW

- Commercial or Public Charging Application
- Dual Type 2 Socket Charging Outlets
- 7kW/22kW/43kW Output
- No Earth Rod Required (PEN Protection)
- On Board RCDs
- IP55 Rated
- Anti-UV Protection
- OCPP 1.6J Compliant
- Connectivity (Ethernet/WIFI/4G)
- 5" LCD User Interface
- Fabricated Sheet Steel
- Emergency Stop Button Option
- Optional Nayax contactless payment module



**The Hydra Genesis fast AC EV charger suitable for the workplace, office and any commercial location – available in single or dual 7kW, 22kW or 43kW options.**

Sleek, aesthetic and minimalistic 'totem' design just 1.5m high with a compact footprint. It comes complete with a 5" LCD user interface to display real-time information about the charge status of connected EVs.

The RFID card-reader will control access to the charger and monitor usage, it is also available with the optional Nayax contactless payment module which allows app-free charging to users outside of your organisation, and a valuable potential additional revenue stream.

The Hydra Genesis is OCPP compliant which allows secure and real-time communications with our unique Hydra Cloud management platform via a wired network or 4G data connection. Hydra Cloud is a complete EV charging network management facility allowing real-time monitoring of your entire network.

The Hydra Genesis dual-output models require a 400v three-phase electrical supply, which can be found in larger industrial premises and office blocks, which is sufficient to power the Genesis to deliver dual 7kW, 22kW or 43kW charging power (for vehicles which can accommodate the higher AC input).

The Hydra Genesis 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.

The Genesis is designed from scratch to be a highly efficient and reliable EV charging solution with very low maintenance overheads, very low 2W standby power use and flexible expansion potential for those looking to grow an EV network.



# HYDRA GENESIS 7kW/22kW/43kW

Product Name	Hydra Genesis
Charging Socket	Dual Type 2 Sockets
Rated Output	22kW / 43kW
Rated Maximum Current (per outlet)	32A / 63A
Dimensions	H x 1500mm   W x 280mm   D x 190mm
Weight	53kg
Unit Material	Sheet Metal
Mounting	Free Standing
Encryption Type	OCPP 1.6JSON
Standby Consumption	2W
Charging Mode	Mode 3
Terminal Size	16mm Terminals
Certificates & Compliance	IEC 61851-1   IEC 61851-22   CE Certified
Environmental Protection Rating	IP55
Input/output Voltage	Single Phase: 230VAC $\pm$ 10% ( <i>single output 7kW unit only</i> ) Three Phase: 400VAC $\pm$ 10%
Fault Detection	PEN Fault Detection
Earth Leakage Detection	Type B 30mA AC and 6mA DC
Warranty	Standard 3 Year Warranty
Recommended Maintenance Period	1 year from date of install
Connectivity	3G/4G / Ethernet / WiFi
Input Frequency	50Hz( $\pm$ 10%)/ 60Hz( $\pm$ 10%)
Safety Features	Emergency Stop Button
Colour Options	Black/Grey & White/Red