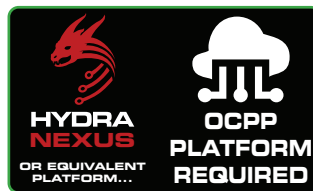




HYDRA ECHO PRO

7kW/22kW

- Wall or Pedestal Mounted
- Aluminium alloy construction
- 7kW or 22kW output
- Single 240v or Three Phase 400v
- Type 2 charging socket
- Socket only
- Connectivity: Ethernet/GSM
- Secured With OCPP 1.6J
- IP54 Weatherproofing
- Optional Pensio contactless payment module



The **Hydra Echo Pro EV Charger** comes at a time of a huge boom in EV adoption. We have designed the Hydra Echo to be durable, easy to use and with a streamlined installation process for use in any commercial environment such as office's, industrial workshop's or distribution hub car park's.

The Echo has a built in RFID card-reader which allows access to the charger and its functions with a digital screen for monitoring progress of the batteries state of charge.

Available in either 7kW and 22kW charge power versions, the 7KW can operate from any 240v single-phase AC electrical supply, similar to that used in residential properties and smaller shops and offices. The 22kW offers faster charging for electric vehicles which can accommodate a higher level of AC charge input and can be connected to any three-phase 400v AC supply similar to that which can be found in larger industrial premises and office blocks.

Suitable for charging cars, vans, HGVs and other

transport vehicles the Echo Pro offers a very versatile, low cost installation for commercial premises.

With an eye on safety the Echo has built-in safety functions which can shut down the charger if it detects certain characteristics such as input under voltage, input over-voltage, output short-circuit, output over-voltage, output over-current, battery reverse connection, insulation detection, communication failure, etc.

The **Hydra Echo Pro EV Charger** can be used as a single chargepoint or as a part of an organisation's entire EV fleet ecosystem where charging facilities are required across multiple sites.

The Echo Pro charger can be paired with our unique **Nexus Cloud** facility offering complete EV charging network management and real-time monitoring of charging usage and peak demand across the whole network.



HYDRA ECHO PRO 7kW/22kW

Main Product	Hydra Echo Pro
Dimensions (mm)	L500 x W240 x D199 (mm)
Weight	18kg
Operating Temperature	-25°C to +50°C
Storage Temperature	-40°C to +80°C
Material	ABS Plastic and aluminium alloy
Certifications	CE/UKCA
Charing Power	7.4/22kW
Charging Current	6-32A (adjustable)
Voltage	230/400V (1/3-phase, 50-60Hz)
Charging Mode	Mode 3
Charging Socket	Type 2
Fixed Charging Cable	No
Energy Metering	Integrated MID meter ($\pm 1\%$) accuracy on readings
User App Configuration	Control charging with the commerical app
Charging Status	Dynamic LED ring for charging status
Authentication	Built-in RFID/NFC reader
Cloud Connection/Network	4G LTE, LAN
Communications Protocol	OCPP 1.6J, OCPP 2.0.1 (future)
Installer App and Configuration	Configure with the installer app through Bluetooth Low Energy (BLE 4.2)
Installation Circuit	40A Circuit Breaker
Cable Diameter	Max. 25mm
RCBO	30mA AC + 6mA DC
Overvoltage Category	III
Instulation Class	I
Fire Classification	UL94
IP Rating	IP54
Impact Resistance	IK10
Temperature Monitoring	Internal sensors
O-PEN Detection	Integrated