



## HYDRA ECHO

### 7kW/22kW

- Wall or Pedestal Mounted
- Aluminium alloy construction
- 7kW or 22kW output
- Single 240v or Three Phase 400v
- Type 2 charging socket
- Tethered (4.8m cable) or socket only
- Connectivity: Ethernet/WIFI/GSM
- Secured With OCPP 1.6J
- IP54 Weatherproofing



The **Hydra Echo EV Charger** comes at a time of a huge boom in EV sales and wider use. 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 or industrial workshop or distribution hub car park.

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

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



# HYDRA ECHO 7kW/22kW

<b>Product Name</b>	<b>Hydra Echo</b>
Charging Socket	Type 2 Socket/ 4.8m Tether
Rated Output	7kW / 22kW
Rated Maximum Current	32A
Dimensions	H x 375mm   W x 260mm   D x 104mm
Weight	5kg
Unit Material	Aluminum Alloy
Mounting	Wall Mounted or Podium Mounted
Encryption Type	OCPP 1.6J
Standby Consumption	2W
Charging Mode	Mode 3
Terminal Size	16mm Terminals
Certificates & Compliance	IEC61851-1/2017
Environmental Protection Rating	IP54
Input/ output Voltage	Single Phase: 230VAC $\pm$ 10% 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

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