HYDRA
PRODUCT
DIRECTORY

HYDRA

ELECTRIC VEHICLE CHARGERS
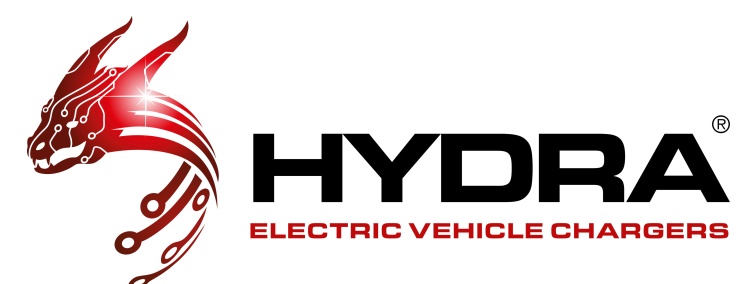
www.hydraev.co.uk

01268 205 121

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About Us.

Introduction

Hydra EVC is a new Electric Vehicle Charging brand, launched in the UK in 2022. Forged directly from our sister companies in the MID metering sector, Hydra EVC was founded to bring the same ethos of industry-leading quality and great value to an aggressive emerging market.

Our Philosophy

Our team, with over 25 years experience in the electrical industry, has combined its knowledge and expertise to develop and launch an exciting range of EV chargers, offering simple yet effective solutions for all our customers' requirements.

Hydra EVC was created with the vision to educate and help improve the UK's Electric Vehicle Charging Infrastructure with robust charging solutions, assisting the transition to EVs.

Vision for the Future

Our Vision is to become one of the UK's most trusted EV charging brands! To achieve this, our Company Mission and Purpose is to supply reliable and high-quality electric vehicle charging equipment combined with industry leading customer care.

Our goals are considerable, and we appreciate to achieve these we must work hard to meet and exceed expectations from our customers....we are committed to this to gain their trust.

HYDRA NOTUS

Your home, your charge, your way.

HYDRA NOTUS

Advanced, smart, durable home charger.

The HYDRA NOTUS 7kW is a compact, modern EV charger, designed specifically for the UK market for home and commercial charging requirements.

- Free Intelligent Home Charging App

- Smart Control - scheduled charging (benefit from off-peak tariffs)

- Optional Load Management

- Pen Fault Detection

- Easy, flexible installation with rear-entry access

Designed for quick and efficient setup, reducing labour expenses.

PRODUCT
FEATURES

Earthing Arrangement

PEN Fault Detection

Connectivity

Wi-Fi/Ethernet/4G

Control charging with the Hydra Nexus Pro App, Built-in RFID reader, OCPP 1.6

Integrated Protections

Over/under voltage, over/under current, missing ground connection, overtemperature
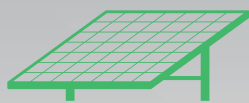
Solar Compatibility

Optional CT that allows for use with solar

Load Balancing

Optional CT per charger that allows for load balancing domestically

Mounting

Wall-mounting, pedestal mounting
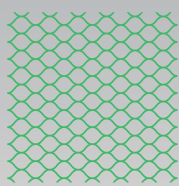
Protection (Enclosure)

IP55 (Socketed), IP55 (Tethered), IK10

Dimensions (HxWxD)

260*260*120 (mm)

Type of Connection

1P+N+PE
Gauge dependent on calculation

SPECIFICATIONS

- **Nominal Supply:** 230V AC +/-20% (single phase)
- **Overcurrent Protection:** 40A Supply (external MCB)
- **Installation network:** TN, IT, and TT
- **Supply Cable Entry:** M25X1.5 entry gland (bottom and back entry)
- **Socket:** IEC 62196 Type 2, IP54 lid, electrical lock
- **Operating temperature:** -30°C – 50°C
- **Installation:** Indoor / Outdoor
- **Weight:** 5kg socket,7kg tethered
- **Certification:** EN IEC 62196,61851
- **Supply Cable sizes:** Single phase: min 6mm²

	Connection type	AC Charging output (s)	Input Supply (s)	Product Code
Single Phase Units	1x Type 2 charging socket/cable	Up to 7kW (32A)	1x Up to 32A Single Phase* 230V AC (±20 %) 50/60Hz	HN-7-S0 / HN-7-T

HYDRA CUBUS

Your home, your charge, your way.

HYDRA CUBUS

Advanced, high quality, smart home charger.

The HYDRA CUBUS 7.4kW / 11kW / 22kW compact, modern EV charger is designed specifically for the UK market for home and commercial charging requirements.

✓ Free Intelligent Home Charging App

✓ Smart Control - scheduled charging (benefit from off-peak tariffs)

✓ Optional Load Management

✓ O-Pen Protection

Designed for quick and efficient setup, reducing labour expenses.

PRODUCT
FEATURES

RCD Protection

Built-in Type B RCD
DC 6 mA, AC 30 mA
(Industrial-grade protection)

Earthing Arrangement

Built-in O-PEN Protection

Connectivity

Bluetooth/Wi-Fi/Ethernet/4G

Control charging with the Hydra
Nexus Pro App, Built-in RFID
reader, OCPP 1.6

Integrated Protections

Over- and undervoltage, power
overload, short circuit,
dispersion currents, missing
ground connection, surge,
overtemperature
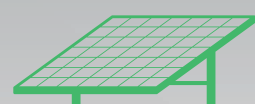
Solar Compatibility

ECO, ECO+, and Fast
charging modes

Load Balancing

Built-in Load balancing with
up to 32 units can be connected
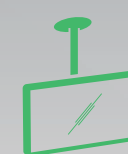
Mounting

Wall-mounting, pedestal
mounting
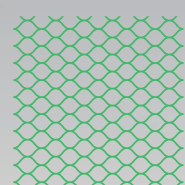
Protection (Enclosure)

IP54 (Socketed), IP65 (Tethered),
IK10
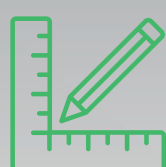
Dimensions (HxWxD)

260*260*100 (mm)

Type of Connection

1P+N+PE, 3P+N+PE
Gauge dependent on calculation

SPECIFICATIONS

- **Nominal Supply:** 230V AC +/-15% (single phase), 400V AC +-15% (3-phase)

- **Adjustable current:** 6A-32A Variable (via Installer App)

- **Overcurrent Protection:** 40A Supply (external MCB)

- **Standby Power Consumption:** <8W

- **Installation network:** TN, IT, and TT

- **Supply Cable Entry:** Ø18mm-Ø24mm hole at the bottom of the enclosure

- **Housing material/Enclosure:** PC+ASA (UL94 V-0 Fire Rated)

- **Socket:** IEC 62196 Type 2, IP54 lid, electrical lock

- **Operating temperature:** -25°C – 50°C

- **Humidity:** 5%~98% non-condensing

- **Installation:** Indoor / Outdoor

- **Weight:** 3.5kg socket, 5.5kg tethered

- **Certification:** CE, UKCA, ROHS (TUV)

- **Supply Cable sizes:** Single phase: min 6mm² Three phase: min 10mm²

	Connection type	AC Charging output (s)	Input Supply (s)	Product Code
Single Phase Units	1x Type 2 charging socket/cable	Up to 7.4kW (32A)	1x Up to 32A Single Phase* 230V AC (±15 %) 50/60Hz	HC-7-S0 / HC-7-T
Three Phase Units	1x Type 2 charging socket/cable	Up to 22kW (32A)	1x Up to 32A Three Phase* 400V AC (±15 %) 50/60Hz	HC-22-S0 / HC-22-T

W: 260mm D: 100mm H: 260mm

HYDRA®
ECHO

POWER   A   B   FAULT

1 Plug in your car.

2 On the screen above, select which socket you are plugged in to and press start.

3 Then either: **SCAN QR CODE** - above socket you are plugged into
Or: **RFID CARD** - swipe above where indicated

4 Press start to commence charging.

! CAUTION !

• Do not attempt to remove the charging plug while a charging session is taking place

• You can stop a charge session early by swiping the RFID card or following the instructions on screen

• If you detect any unusual noise or a short circuit during a charge please contact the Site Management

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HYDRA ECHO

Fast charge. Zero hassle

HYDRA ECHO

Advanced, high quality, smart commercial charger.

Made from tempered glass and die-cast aluminium, the Hydra Echo is a compact, high quality and durable commercial charger designed to be easy to install. Ideal for any business environment and for public charging when paired with e-POS device.

✓ Real-time Management platform for multiple chargers

✓ Integrated screen – ease of use

✓ Built in PEN fault protection

Wall-mounted single output charging for commercial and workplace installations.

Adjustable current output between 6A and 32A.

PRODUCT FEATURES

RCD Protection

RCD protection
Built-in Type B RCD
DC 6 mA / AC 30 mA
(Industrial-grade protection)

Integrated Protections

Over- and undervoltage, missing ground connection, over temperature and over current detection

Earthing Arrangement

Built-in PEN Protection

Connectivity

Ethernet/4G/Wi-Fi, Built-in RFID reader, OCPP 1.6J

LCD Display

5 Inch Touch Screen, allows for configurations to be changed

Load Balancing

Controlled by the platform through a monitoring device (optional feature)

Mounting

Pedestal/wall mounting

Protection (Enclosure)

IP54

Single or Three Phase

Charger can be installed on single phase supply or three phase supply

Type of Connection

1P+N+PE, 3P+N+PE
Gauge dependent on calculation

SPECIFICATIONS

- **Nominal Supply:** 220V AC±20%, 380V AC±20%

- **Adjustable current:** 6A-32A Variable

- **Input supply cable:** min 16mm²

- **Installation network:** TN, IT, and TT

- **Socket:** IEC 62196 Type 2, IP55 lid, electrical lock

- **Installation:** Indoor / Outdoor

- **Working Temperature:** -30°C – +50°C

- **Weight:** 10kg (socket-only), 11kW (tethered)

- **Certification:** EN IEC 62196,61851

- **Energy Meter:** MID Certified Meter

- **Status Indication:** Multicoloured LED Stripe

- **Input supply:** 1 x 32A.

- **Dimensions (WxDxH):** H: 433 mm x 308 mm x 127 mm

	Connection type	AC Charging output (s)	Input Supply (s)	Product Code
Single Phase Units	1x Type 2 charging sockets	Up to 7kW (32A)	1x Up to 32A Single Phase 220V AC (±20 %) 50/60Hz	HE-7-SO / HE-7-T
Three Phase Units	1x Type 2 charging sockets	Up to 22kW (32A)	1x Up to 32A Three Phase 380V AC (±20 %) 50/60Hz	HE-22-SO / HE-22-T

HYDRA JOVI
Fast charge. Double power. Zero hassle

HYDRA JOVI

Advanced, high quality, smart commercial charger.

The Hydra Jovi is crafted from aluminium, making it highly durable and easy to install due to its lightweight. Designed for wall-mounting, it is ideal for customers where space is a premium.

✓ Real-time Management platform for multiple chargers

✓ Available with e-POS contactless payment devices (for public charging)

✓ Integrated screen – ease of use

✓ Built in PEN fault protection

Wall-mounted dual output fast charging for commercial and workplace installations.

Adjustable current output between 6A and 32A. Tethered models available on special order.
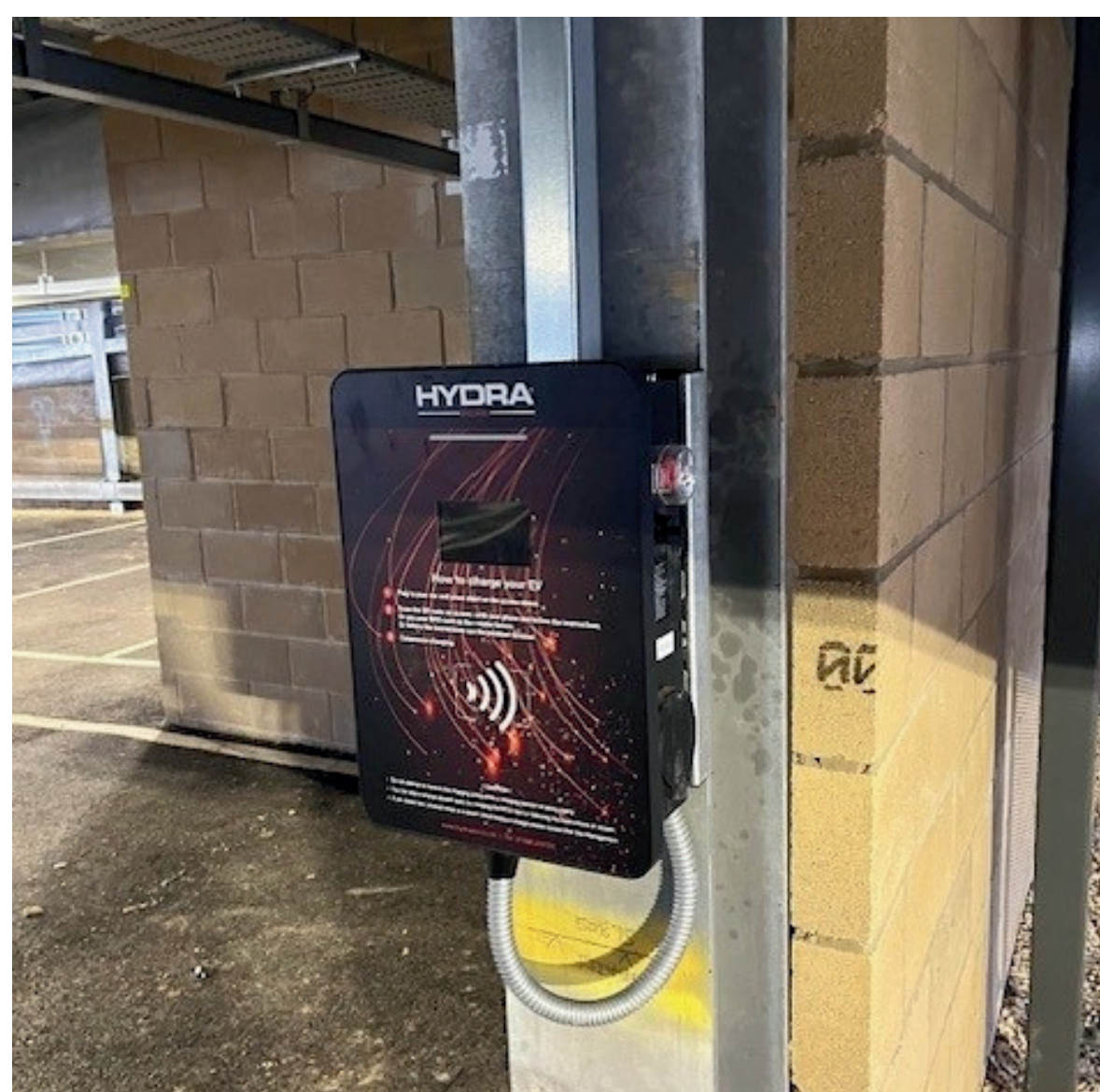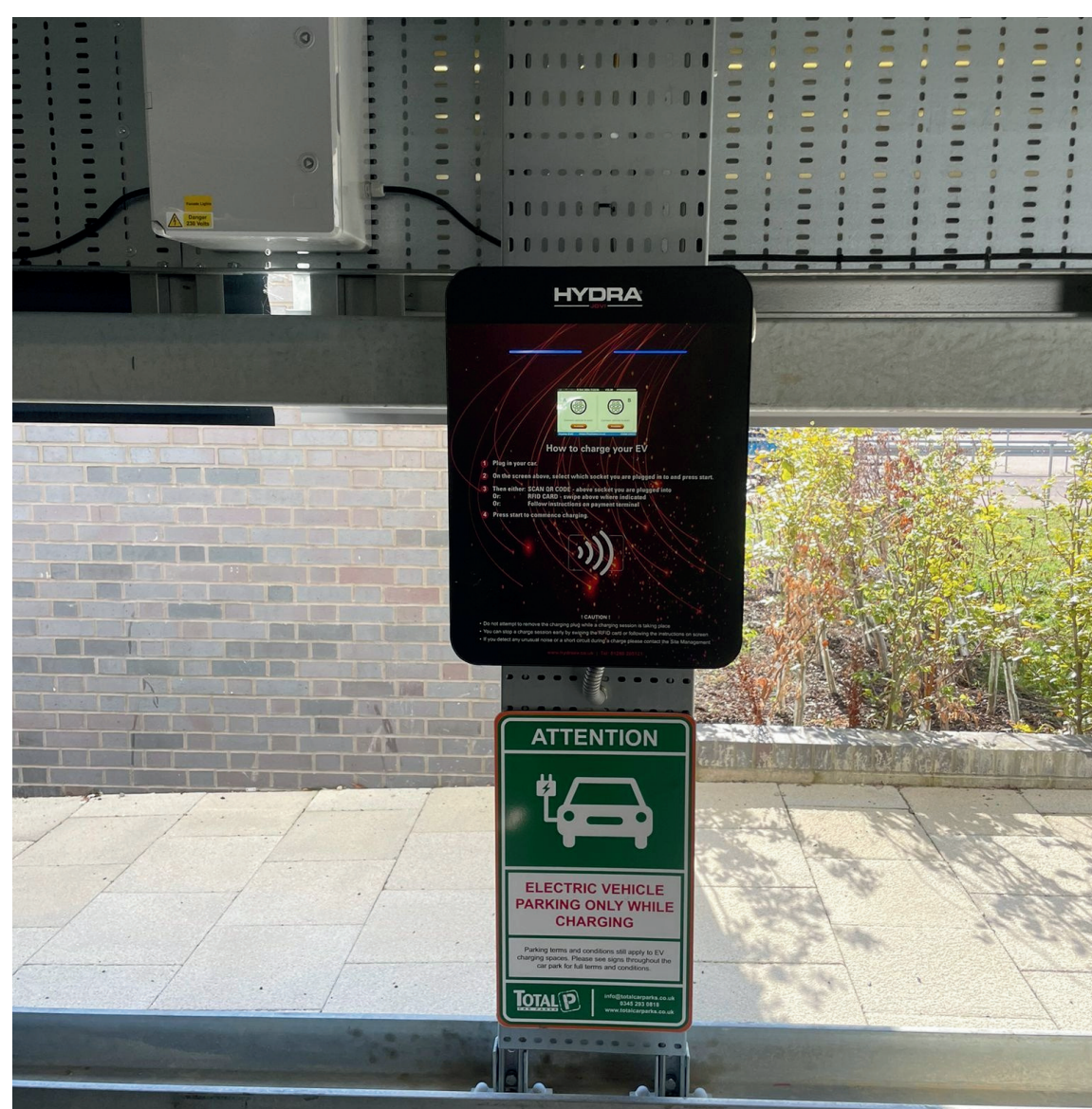
PRODUCT FEATURES

RCD Protection

RCD protection Built-in Type B
RCD DC 6 mA / AC 30 mA
(Industrial-grade protection)

Integrated Protections

Over-andundervoltage, missing
ground connection, over
temperature and over current
detection

Earthing Arrangement

Built-in PEN Protection

Connectivity
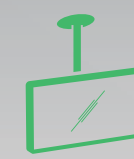
Ethernet/4G/ Wi-Fi,Built-in
RFID reader, OCPP 1.6J.
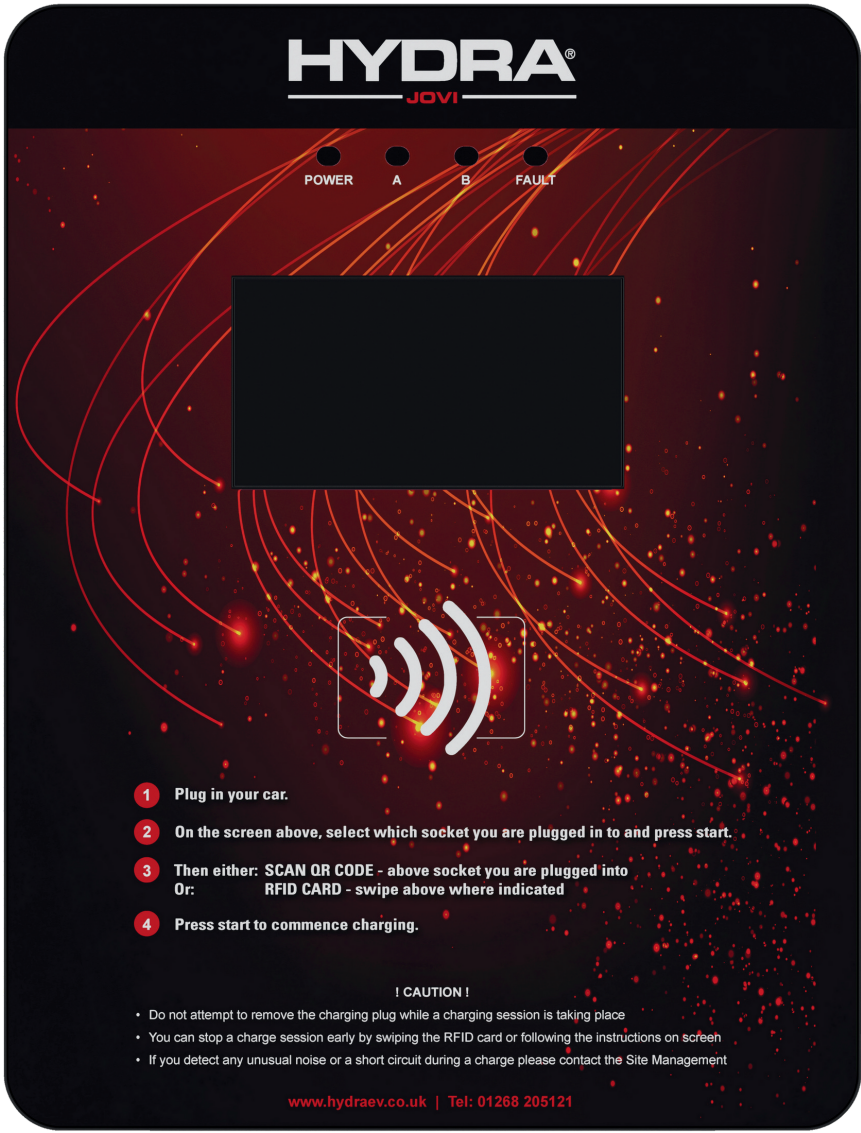
LCD Display

7 Inch Touch Screen, allows for
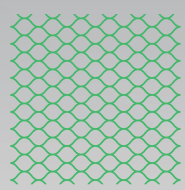configurations to be changed

Load Balancing

Controlled by the platform
through a monitoring device.
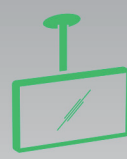
Mounting

Pedestal/wall mounting
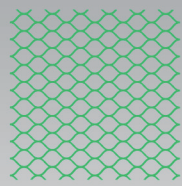
Protection (Enclosure)

IP55 IK10

Dual Socket

2 x Type 2 charging sockets
(European Standards)

Type of Connection

1P+N+PE, 3P+N+PE
Gauge dependent on calculation

SPECIFICATIONS

- Nominal Supply: 220V+/-20%,380V +/-20%

- Adjustable current:6A-32A Variable (per socket)

- Input supply cable: min16mm²

- Installation network: TN, IT, and TT

- Socket: IEC62196 Type 2,IP55 lid, electrical lock

- Installation: Indoor / Outdoor

- WorkingTemperature:-30℃–+50℃

- Certification: EN IEC 62196,61851

- Energy Meter:2XMID Certified Meter

- Status Indication: Multi coloured LED Stripe

- Input supply:1x64A split between both sockets

- Dimensions(WxDxH):543 mm x 410 mm x 140 mm

- Weight: Socket only: 18kg,Tethered: 22kg

	Connection type	AC Charging output (s)	Input Supply (s)	Product Code
Single Phase Units	2x Type 2 charging sockets	Up to 7kW (32A) Per socket	1x Up to 64A Single Phase 220V AC (±20 %) 50/60Hz	HJ-7-S0 / HJ-7-T
Three Phase Units	2x Type 2 charging sockets	Up to 22kW (32A) Per socket	1x Up to 64A Three Phase 380V AC (±20 %) 50/60Hz	HJ-22-S0 / HJ-22-T

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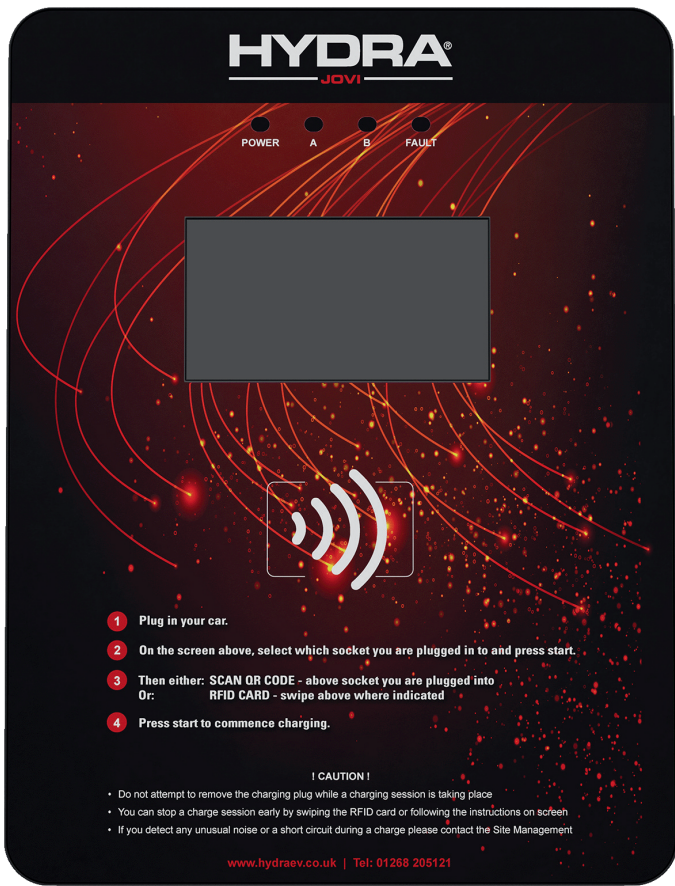
HYDRA GENESIS LITE

Robust. Reliable. Resilient.

HYDRA GENESIS LITE

Advanced, high quality, commercial charger

Genesis Lite is Hydra's smart, compact solution for reliable EV charging — purpose-built for public spaces and busy workplace environments.

✓ Real-time Management platform for multiple chargers

✓ Flexible charging output:
(7kW,11kW, 22kW) options in one model

✓ Pen fault Protection

The Genesis Lite is our answer to intelligent EV charging in public or workplace locations.

PRODUCT FEATURES

RCD Protection

RCD protection
Built-in Type B RCD
DC 6 mA / AC 30 mA
(Industrial-grade protection)

Integrated Protections

Over- and undervoltage, missing
ground connection,
over temperature

Earthing Arrangement

PEN fault detection

Connectivity

Wi-Fi/Ethernet/4G/ Built-in RFID
reader / OCPP 1.6J

Modular Design

Designed to be easily repaired
if necessary

Load Balancing

Controlled by the platform
through a monitoring device.
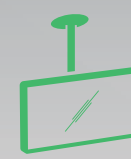
Mounting

Floor mounting
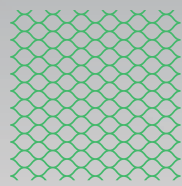
Protection (Enclosure)

IP55 IK10

Dual Socket

2 x Type 2 charging sockets
(European Standards)

Type of Connection

1P+N+PE, 3P+N+PE
Gauge dependent on calculations

SPECIFICATIONS

- **Nominal Supply:** 230V AC±10%, 400V AC±10%

- **Adjustable current:** 6A-32A Variable (per socket)

- **Input cable size:** min 16mm²

- **Installation network:** TN, IT, and TT

- **LCD Display:** 7 Touch Screen

- **Socket:** IEC 62196 Type 2, IP55 lid, electrical lock

- **Installation:** Indoor / Outdoor

- **Weight:** 35KG

- **Certification:** CE, UKCA, CB, RoHS

- **Energy Meter:** 2 X MID Certified Meter

- **Status Indication:** Multicoloured LED Stripe

- **Input supply:** 1 x 64A split between both sockets

- **Dimensions (HxWxD):** 1200*360*250 (mm)

	Connection type	AC Charging output (s)	Input Supply (s)	Product Code
Three Phase Units	2x Type 2 charging sockets	Up to 22kW (32A) Per socket	1x Up to 64A Three Phase* 400V AC (±10 %) 50/60Hz	HG-L-22-S0

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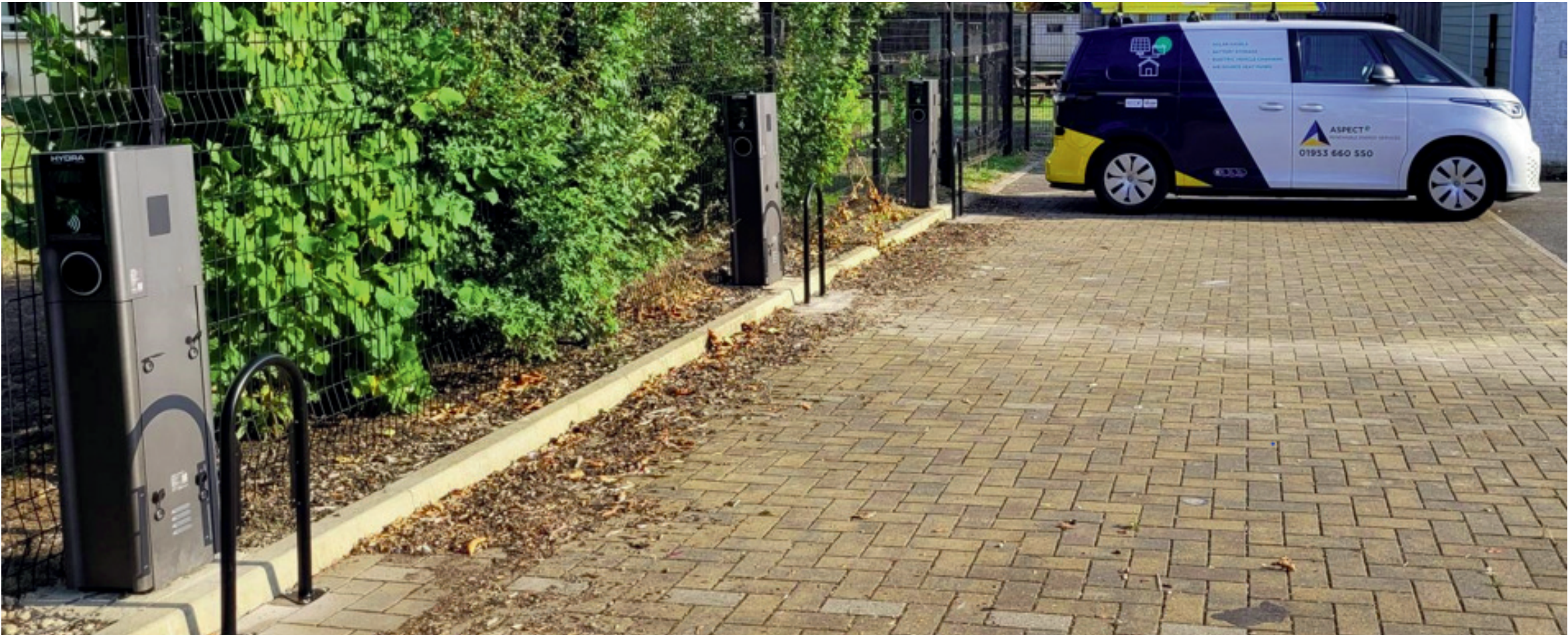
HYDRA KRATOS

Robust. Reliable. Resilient.

HYDRA KRATOS

Advanced, high quality, smart commercial charger.

The Hydra Kratos fast dual AC EV charger provides the ultimate in flexible set up and charging output usage, making it suitable for all types of applications.

- Real-time Management platform for multiple chargers

- Integrated or standalone e-POS contactless payment device solutions

- Adjustable input current between 6-32A per socket

- Pen fault Detection

The Hydra Kratos is our answer to intelligent and fast EV charging in public or workplace locations.

PRODUCT FEATURES

RCBO Protection

RCBO protection
Built-in Type B RCD
DC 6 mA / AC 30 mA
(Industrial-grade protection)

Integrated Protections

over/under-voltage, over
current, over temperature,
tamper protection

Earthing Arrangement

Pen fault Detection

Connectivity

Ethernet/4G/ Built-in RFID
reader / OCPP 1.6J

Commissioning

Chargers come pre-
commissioned to requested
use and can be easily changed
on site if needed.

Load Balancing

Controlled by the platform
through a monitoring device.

Mounting

Free standing

Protection (Enclosure)

IP55 IK10

Dual Socket

2 x Type 2 charging sockets
(European Standards)

Type of Connection

1P+N+PE, 3P+N+PE
Gauge dependent on calculations

SPECIFICATIONS

- **Nominal Supply:** Single Phase 230V AC +/-20%, 3-Phase 380V AC +/-20%

- **Adjustable current:** 6A-32A Variable (per socket)

- **Input cable size:** min 16mm²

- **Installation network:** TN, IT, and TT

- **LCD Display:** 5" Touch Screen

- **Socket:** IEC 62196 Type 2, IP55 lid, electrical lock

- **Installation:** Indoor / Outdoor

- **Weight:** 25KG

- **Certification:** EN IEC 62196,61851

- **Energy Meter:** 2 X MID Certified Meter

- **Status Indication:** Multicoloured LED Stripe

- **Input supply:** 1 x 64A split between both sockets (For full power)

- **Dimensions (HxWxD):** 1250*260*200 (mm)

	Connection type	AC Charging output (s)	Input Supply (s)	Product Code
Single Phase Units	2x Type 2 charging sockets	Up to 7kW (32A) Per socket	1x Up to 64A Single Phase 230V AC (±20 %) 50/60Hz	HK - L - 07 HK - PRO - 07
Three Phase Units	2x Type 2 charging sockets	Up to 22kW (32A) Per socket	1x Up to 64A Three Phase 380V AC (±20 %) 50/60Hz	HK - L - 22 HK - PRO - 22

HYDRA DION

4 models: 20kW single, 30kW single, 40kW single, 40kW (2 x 20kW) Dual

HYDRA DION

Advanced, high quality, smart commercial charger.

The Hydra Dion fast EV charger provides a solution to compact DC charging using a standard three phase AC power supply.

✓ Real-time Management platform for multiple chargers

✓ Integrated or standalone e-POS contactless payment device options

✓ Compact Size: for applications with limited space

✓ DC Charging for limited power supply

Designed for quick and efficient setup, reducing labour expenses.

PRODUCT FEATURES

RCD Protection
RCD protection
Built-in Type B RCD
DC 6 mA / AC 30 mA
(Industrial-grade protection)

Integrated Protections
Overvoltage, undervoltage protection, lightning protection, phase loss detection

Earthing Arrangement
PEN fault detection

Connectivity
Ethernet/4G/Built-in RFID reader / POS / OCPP 1.6J
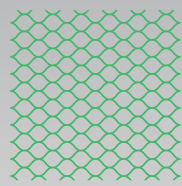
LCD Display
High definition industrial touch screen

Load Balancing
Controlled by the platform through a monitoring device.
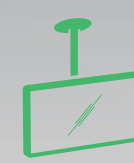
Mounting
Pedestal/wall mounting
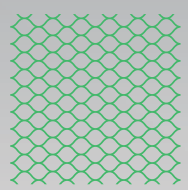
Protection (Enclosure)
IP55

Cooling Method
Smart air cooling with a built in fan

Type of Connection
3P+N+PE

Specification	20kW Single	30kW Single	40kW Single	40kW (Dual)
Input current	33A	50A	61A	61A
Cable size	16mm²	25mm²	25mm²	25mm²
Connector	1 x CCS2	1 x CCS2	1 x CCS2	2 x CCS2
Output power	20kW	30kW	40kW	40kW (1 EV) 20kW (2 EVs)
Weight	82 kg	89 kg	93 kg	126 kg
Dimensions	L: 1.02 M, W: 0.72 M, H: 0.57 M	L: 1.02 M, W: 0.72 M, H: 0.57 M		L: 1.12 M, W: 0.87 M, H: 0.57 M
Product Code	HD-20-DC	HD-30-DC	HD-40-DC-S	HD-40-DC

- **Nominal Supply:** 400V AC±15%

- **Output Supply:** 150~1000 DCV

- **Installation network:** TN, IT, and TT

- **Installation:** Indoor / Outdoor

- **Certification:** EN IEC-61851-1:2019; EN61851-23:2014; EN 61851 24:2014; EN IEC 61851-21-2:2021

- **Energy Meter:** MID Certified DC Meter(s)

- **Status Indication:** Multicoloured LED Stripe

- **Input protection:** Overvoltage, undervoltage protection, lightning protection, phase loss detection

HYDRA VOYAGER

HYDRA VOYAGER

Advanced, high quality, smart portable, commercial charger.

The Hydra Voyager fast EV charger provides a solution to compact DC charging whilst remaining flexible due to its unique portability.

✓ Portable – simply plug and charge.

✓ 10.1" operating screen for ease of use.

✓ No installation required, no installation costs.

SPECIFICATIONS

Specification	20kW Single	40kW Single	40kW (Dual)
Input current	30A	61A	61A
Connector	1 x CCS2	1 x CCS2	2 x CCS2
Output power	20kW	40kW	1 x EV = up to 40kW 2 x EVs = up to 20kW each
Dimensions (mm)	L: 580 X D: 632 X H: 1270		

PRODUCT FEATURES

Portability

Fitted with castor wheels for ease of movement

Integrated Protections

Over- and undervoltage, missing ground connection, surge, over temperature

Connectivity

Ethernet/4G/Built-in RFID reader / OCPP 1.6J

Load Balancing

Controlled by the platform through a monitoring device.

LCD Display

10" High definition highlight industrial touch screen

Cooling Method

Smart air cooling with a built in fan

Impact Protection

IK10

Ingress Protection

IP54

Type of Connection

3P+N+PE, Can be plugged into any compatible commando socket

HYDRA
VOYAGER

FURTHER SPECIFICATIONS

- **Certification:** IEC 61851-1:2019, IEC 61851-21-2:2021, IEC 61851-23:2014, IEC 61851-24:2014, IEC 61000-6-2:2019, IEC 61000-6-4:2019, IEC 62311:2020, EN 300328 V 2.2.2:2019, EN 300330 V 2.1.1:2017, EN 301489-1 V 2.2.3:2019, EN 301489-3 V2.3.2:2023, EN 301489-17 V 3.2.4:2020

- **Input Supply:** 400V AC +-10%

- **AC Input Connection:** 3P+N+PE, 63A Plug

- **Output Voltage Range:** 200V – 1,000V

- **Installation network:** TN, IT, and TT

CCS1   CCS2   CHAdeMO   GB/T
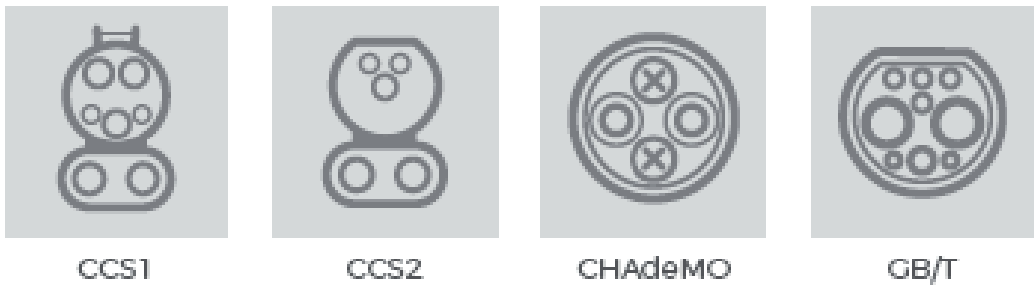
Connection type	DC Charging output (s)		Input Supply (s)	Product Code
20kW	1 x CCS2 Charging Cable	Up to 20kW	1 x Cable (3P+N+PE) @ 400V AC (±10 %) 50/60Hz	HVP-20-DC
40kW (Single)	1 x CCS2 Charging Cable	Up to 40kW	1 x Cable (3P+N+PE) @ 400V AC (±10 %) 50/60Hz	HVP-40-DC
40kW (Dual)	2 x CCS2 Charging Cable	1 x EV = up to 40kW 2 x EVs = up to 20kW each	1 x Cable (3P+N+PE) @ 400V AC (±10%) 50/60Hz	HVP-2X20-DC

HYDRA ATHENA

43 Inch Advertising Screen With AC Charging

HYDRA ATHENA

43 Inch Advertising Screen With AC Charging

The Hydra Athena is more than just a AC EV charger; with built-in digital advertising — a dual-purpose solution that charges cars whilst generating revenue, maximising ROI in high-footfall locations.

✓ Real-time Management platform for multiple chargers

✓ Potential for revenue generation

✓ Dynamic Load Management Option

✓ PEN fault detection

Custom built, revenue generating AC charger

PRODUCT FEATURES

Display

43″ screen
(not touch screen) for
advertisements
LCD Screen + 5" touch screen
display for charging

Integrated Protections

Over- and undervoltage, missing
ground connection, surge
protection, over temperature

Earthing Arrangement

PEN fault detection

Connectivity

Ethernet/4G/ Built-in RFID
reader / POS / OCPP 1.6J
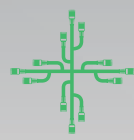
Cabling

5 core cable, 3 lives 1 earth and
1 neutral. Gauge depending on
calculations

Load Balancing

Controlled by the platform
through a monitoring device

Payment Terminal

Optional POS device built into
the charger from factory

Protection (Enclosure)

IP55

Housing Material

SPCC carbon steel

Installation

Floor mounted

SPECIFICATIONS

- **Nominal Supply:** 400V AC±10%

- **Adjustable power:** Power adjustable on screen

- **Installation network:** TN, IT, and TT

- **Installation:** Indoor / Outdoor

- **Advertising Screen:** Adverts are easily uploaded via a memory stick

- **Certification:** EN IEC 61851-1:2019; IEC 61851-1:2017; EN IEC 61851-21-2:2021;EN IEC 61000-6-1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021;EN IEC 61000-6-4:2019; ETSI EN 300 328 V2.2.2:2019;ETSI EN 300 330 V2.1.1:2017; ETSI EN 301 489-1 V2.2.3:2019; ETSI EN 301 489-3 V2.1.1:2019; ETSI EN 301 489-17 V3.2.4:2020; EN IEC 62311:2020

- **Energy Meter:** 2 X MID Certified Meter

- **Status Indication:** Multicoloured LED Stripe

- **Input supply:** 1 x 64A split between both sockets

- **Working Temperature:** -30℃ – +50℃

	Connection type	AC Charging output (s)	Input Supply (s)	Product Code
Three Phase Units	2X Type 2 charging socket	Up to 22kW per socket	1x Three Phase cable 400V AC (±10 %) 50/60Hz	HAT-##-SO (##=Model Power) E.g.: HAT-22-SO

HYDRA APOLLO MAX

43 Inch Advertising With DC Charging

HYDRA APOLLO MAX

DC Charging with 43" Advertising Screen

The Hydra Apollo Max is more than just a rapid EV charger; with built-in digital advertising — a dual-purpose solution that delivers fast power and passive income, maximising ROI in high-footfall locations.

✓ Real-time Management platform for multiple chargers

✓ Potential for dual revenue generation

✓ Dynamic Load Management Option

✓ PEN fault detection

✓ Available with Cable Management System

Custom built, advertising revenue generating DC charger

PRODUCT FEATURES

Display

43" non-touch Advertising Screen and 10" LCD touch screen display for charging

Integrated Protections

Over current, under and over voltage, residual current, surge protection, short circuit, over temperature, ground fault.

Earthing Arrangement

Earthing Rod

Connectivity

Ethernet/4G/ Built-in RFID reader / POS / OCPP 1.6J
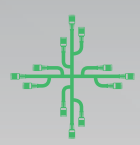
Cabling

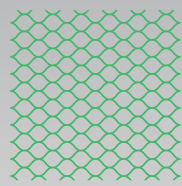5 core cable, 3 lives 1 earth and 1 neutral. Gauge depending on calculaitons

Load Balancing

Controlled by the platform through a monitoring device

Payment Terminal

Optional integrated e-POS contactless payment device
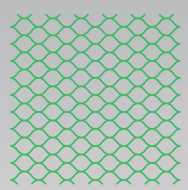
Protection (Enclosure)

IP55

Cooling Method

Smart air cooling with a built in fan

Installation

Floor mounted

SPECIFICATIONS

- **Nominal Supply:** 400V AC±10%
- **Adjustable power:** Power adjustable on screen
- **Installation network:** TN, IT, and TT
- **Installation:** Indoor / Outdoor
- **Certification:** EN IEC, 61851

- **Energy Meter:** 2 X MID Certified Meter
- **Status Indication:** Multicoloured LED Stripe
- **Input supply:** 1 x Three Phase Cable (3P+N+PE)
- **Working Temperature:** -30°C – +50°C
- **Advertising Screen:** Adverts are uploaded remotely or via memory stick

Connection type	DC Charging output (s)	Input Supply (s)	Product Code
Three Phase Units	2x CCS2 charging cables	Please see below:	1x Three Phase cable 400V AC (±10 %) 50/60Hz	HA-##-DC (##=Model Power) E.g.: HA-60-DC

Model Power	60kW	90kW	120kW	180kW	240kW
Input Amp (AC)	92A	137A	183A	274A	365A
Output Amp (DC) max per connector	150A	200A	200A	275A	300A
Output Amp (DC) max total available across the charger	200A	300A	400A	600A	800A
Output Power max (Calculated @400V*)	60kW (1 EV) 30kW (2 EV)	80kW (1 EV) 45kW (2 EV)	80kW (1 EV) 60kW (2 EV)	110kW (1 EV) 90kW (2 EV)	120kW (1 EV) 120kW (2 EV)
Dimensions (mm)	670 X 480 X 1600	800 X 603 X 1854			

*Higher amps output connectors are available on upon requests.

Calculations based on UK average vehicle voltage. Vehicle voltage will vary between brands, please check what voltage your vehicle can take. Total output kW can be higher or lower than what is listed above.

HYDRA GOLIATH

Uncompromised power, instant drive

HYDRA GOLIATH

Advanced, high quality, smart commercial charger.

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

- Ultra-rapid charging

- Available with Cable Management System option

- 10.1" Touchscreen – easy to operate

- Flexible e-POS contactless payment device options

- Available with Cable Management System

The Goliath comes in two main models, 2 X CCS2 or 3 X CCS2 with varying power modules providing up to 300kW.

PRODUCT FEATURES

RCD Protection

Need confirmation

Integrated Protections

Over current, Under voltage, Over voltage, Residual current, Surge protection, Short circuit, Over temperature, Ground fault

Earthing Arrangement

Earthing Rod

Connectivity

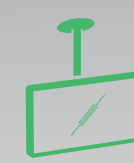Ethernet/4G/ Built-in RFID reader/ POS / OCPP 1.6J

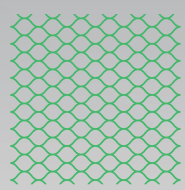**LCD Display**

High definition industrial touch screen

Load Balancing

Controlled by the platform through a monitoring device.

Mounting

Floor mounted

Protection (Enclosure)

IP55

Cooling Method

Smart air cooling with a built in fan

Type of Connection

3P+N+PE

Gauge dependent on calculation

SPECIFICATIONS

- **Nominal Supply:** 400V AC±10%

- **Adjustable power:** Power can be freely adjusted via screen

- **Installation network:** TN, IT, and TT

- **Installation:** Indoor / Outdoor

- **Certification:** EN IEC 62196,61851

- **Energy Meter:** 2 X MID Certified Meter

- **Status Indication:** Multicoloured LED Stripe

- **Input supply:** 1 X 3P+N+PE cable

- **Working Temperature:** -30 to 50 celsius

Connection type	DC Charging output (s)	Input Supply (s)	Product Code
Three Phase Units	2x CCS2 charging cables	Please see below:	1x Three Phase cable 400V AC (±10 %) 50/60Hz	HG-##-DC (##=Model Power) E.g.: HG-60-DC

The Hydra Goliath 3 connector model is available upon request

Model Power	60kW	90kW	120kW	150kW	180kW	240kW	300kW
Input Amp (AC)	92A	137A	183A	228A	274A	365A	456A
Output Amp (DC) max per connector*	150A	200A	200A	250A	275A	300A	375A
Output Amp (DC) max total available across the charger	200A	300A	400A	500A	600A	800A	1000A
Output Power max (Calculated @400V**)	60kW (1 EV) 30kW (2 EV)	80kW (1 EV) 45kW (2 EV)	80kW (1 EV) 60kW (2 EV)	100kW (1 EV) 75kW (2 EV)	110kW (1 EV) 90kW (2 EV)	120kW (1 EV) 120kW (2 EV)	150kW (1 EV) 100kW (2 EV)
Dimensions (mm)	670 X 480 X 1600	800 X 603 X 1854					1050 X 800 X 1905

*Higher amps output connectors are available on upon requests

Calculations based on UK average vehicle voltage. Vehicle voltage will vary between brands, please check what voltage your vehicle can take. Total output kW can be higher or lower than what is listed above.

HYDRA GOLIATH PRO

Uncompromised power, instant drive

HYDRA GOLIATH PRO

Advanced, high quality, smart commercial charger.

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

- Ultra-rapid charging

- Available with Cable Management System option

- 10.1" Touchscreen – easy to operate

- Flexible e-POS contactless payment device options

- Available with Cable Management System as standard

The Goliath comes in two main models, 2 X CCS2 or 3 X CCS2 with varying power modules providing up to 480kW.

PRODUCT FEATURES

Earthing Arrangement
Earthing Rod

Integrated Protections
Over current, Under voltage, Over voltage, Residual current, Surge protection, Short circuit, Over temperature, Ground fault
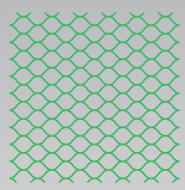
LCD Display
High definition industrial touch screen

Connectivity
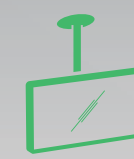Ethernet/4G/ Built-in RFID reader/ POS / OCPP 1.6J

Protection (Enclosure)
IP55

Load Balancing
Controlled by the platform through a monitoring device.

Mounting
Floor mounted

Cooling Method
Smart air cooling with a built in fan

Type of Connection
3P+N+PE

Gauge dependent on calculation

SPECIFICATIONS

- **Nominal Supply:** 400V AC±10%

- **Adjustable power:** Power can be freely adjusted via screen

- **Installation network:** TN, IT, and TT

- **Installation:** Indoor / Outdoor

- **Certification:** EN IEC-61851

- **Energy Meter:** 2 X MID Certified Meter

- **Status Indication:** Multicoloured LED Stripe

- **Input supply:** 1 X 3P+N+PE cable

- **Working Temperature:** -30 to 50 celsius

Connection type	DC Charging output (s)	Input Supply (s)	Product Code
Three Phase Units	2x CCS2 charging cables	Please see below:	1x Three Phase cable 400V AC (±10 %) 50/60Hz	HG-##-DC (##=Model Power) E.g.: HG-300-DC-PRO

The Hydra Goliath 3 connector model is available upon request

Model Power	300kW	360kW	400kW	480kW
Input Amp (AC)	456A	547A	608A	730A
Output Amp (DC) max per connector	500A	500A	500A	500A
Output Amp (DC) max total available across the charger	1000A	1200A	1330A	1596A
Output Power max (Calculated @400V*)	200kW (1 EV) 150kW (2 EV)	200kW (1 EV) 180kW (2 EV)	200kW (1 EV) 200kW (2 EV)	200kW (1 EV) 200kW (2 EV)
Dimensions (mm)	1050 X 800 X 1905			

*Calculations based on UK average vehicle voltage. Vehicle voltage will vary between brands and vehicle type, please check what voltage your vehicle can take. Total output kW can be higher or lower than what is listed above.

HYDRA MEDUSA

Satellite DC Charging

HYDRA MEDUSA

Advanced, high quality, smart commercial charger.

The Hydra Medusa Satellite Charging System provides flexible rapid-ultra rapid solutions for sites requiring multiple charge points.

- ✓ 240kW – 1,040kW Outputs

- ✓ Flexible System: up to 6 Dual chargers linked to one Master-power supply

- ✓ Anti-UV Protection

- ✓ 10" LCD User Interface

- ✓ Galvanized Steel

- ✓ Optional contactless payment terminal

Designed for quick and efficient setup, reducing labour expenses.

PRODUCT FEATURES

Charging Outlets

2 X CCS2

Operating Screen

10" LCD Display

Advanced Electrical Protection

Dedicated Output RCDs

OCPP

1.6J Compliant

Protection

i.Dual Chargers: IP55
ii.Power Unit: IP54

Satellite Chargers

Up to 6 dual charger satellites for 1 power unit

Cooling Method

Air cooled/liquid cooled, depending on power

Connectivity

(Ethernet/WIFI/4G)

Get in touch with us to discuss your project requirements.

We'll help you design the most suitable and cost-effective solution tailored to your needs.

HYDRA NEXUS CLOUD PRO PLATFORM

The Hydra Nexus Cloud Pro platform allows for management of all of your commercial & public chargers. This allows you to monitor usage, bill users and keep track of revenue.

You can also create specific tariffs for FREE/cheaper charging to benefit different users.

- RFID activation

- View charging in real time

- Multi-user access

- Usage analytics

- QR code activation

- Optional contactless payment device available

- Can be used for public or private chargers
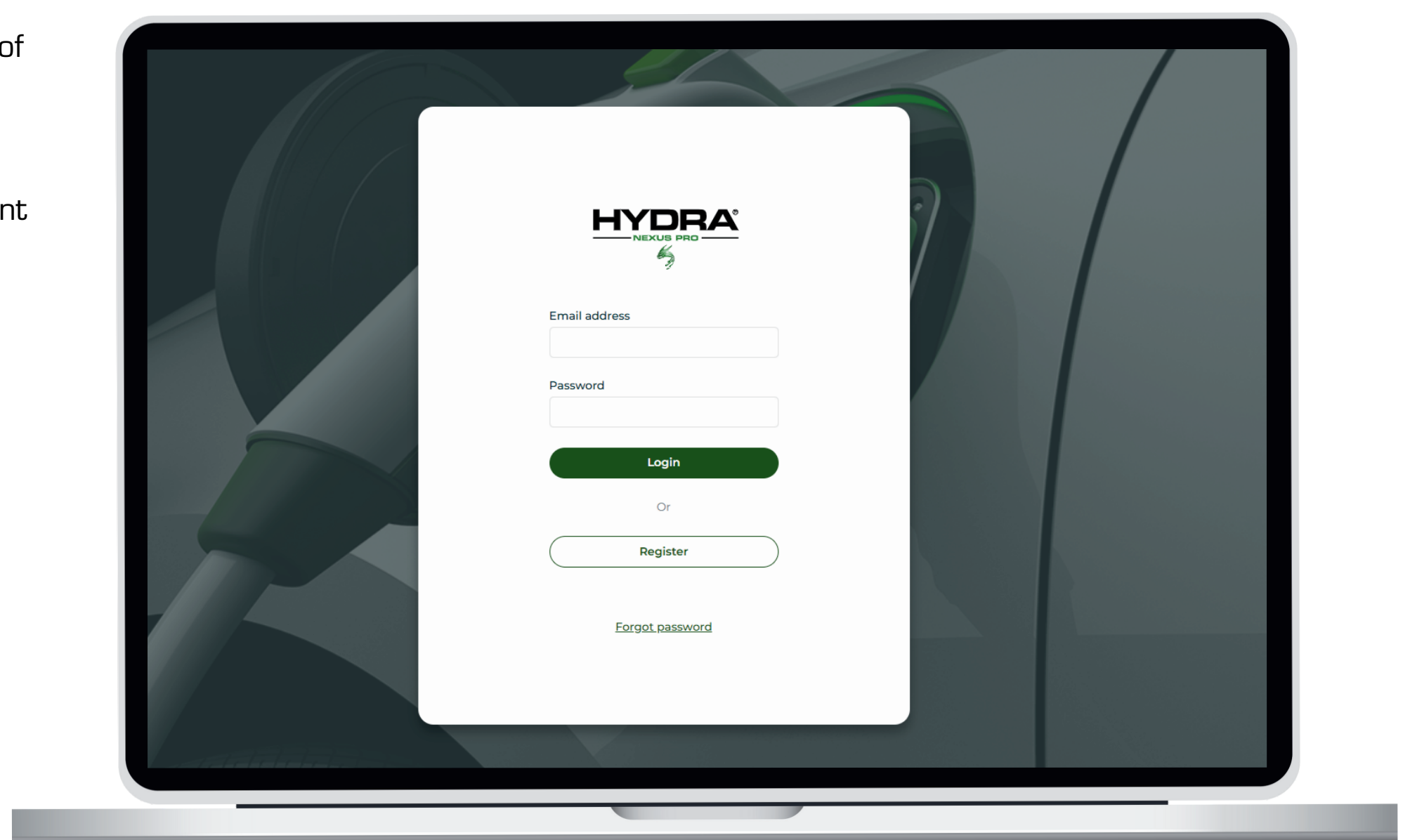
HYDRA PENSIO

CONTACTLESS PAYMENTS

HYDRA PENSIO

Simplified Payment, Maximum Convenience

As public EV charging becomes more accessible, so does the clutter of apps — leaving drivers juggling multiple platforms to make payments.

Hydra EVC has partnered with CPI to simplify the process, offering a streamlined payment solution that lets your customers focus on what matters: a smooth, quick charge.

We support two secure payment options across our public charge points:

1. QR Code Payments

Drivers can simply scan a QR code on a charger to access a virtual payment terminal and pay via any debit or credit card.

A convenient option — provided the user has a smartphone with signal and charge.

2. Contactless Payments via Pensio

For a truly frictionless experience, our charge points are compatible with a Pensio contactless terminal, accepting:

✓ Debit or credit cards
✓ Apple Pay
✓ Google Pay
✓ Other virtual wallets

This turnkey solution ensures inclusivity for all users — even those without a smart device — and helps increase usage and revenue at your site.

With Hydra, your charge points can easily be toggled from private to public use — helping more drivers find and access them with ease.

Monetise Your Chargers Outside Business Hours

If your chargers sit idle after hours, or you'd like to recover costs by charging visitors, Hydra **NEXUS Cloud PRO** makes it easy to manage access and payments — all from one intuitive online platform.

Plug & Play with PENSIO

Our standalone contactless device, the PENSIO payment terminal, comes with your charge point. Once installed and commissioned by a Hydra-approved installer, it's ready to start generating revenue.

- Standalone e-POS device
- Cost-effective: Operates up to 6 charge point sockets
- IP65 rated enclosure
- Flexible locations: Wall or Pedestal mounting solutions
- Retrospective Installation: to upgrade existing EV Charging facilities

Smart Charging, Smarter Support

Hydra specialises in revenue-generating EV solutions. Our expert team will support you with setup, tariff strategy, and ongoing optimisation to help you get the most out of your charge points.

The payment terminal included with our **PENSIO** Contactless solution offers an attractive looking unit with a high-resolution colour touchscreen to engage your consumers.

The screen features Gorilla Glass, which safeguards the device from vandalism.

- Magnetic stripe
- NFC Contactless
- Chip and PIN
- Contactless: EMV L1 and L2 Certified
- Contactless MiFare: Classic, DesFire, Visa qVSDC, MasterCard, Paypass, SamsungPay, ApplePay, GooglePay

HYDRA NEXUS WITH INTEGRATED PENSIO

As client payment information is highly sensitive, Hydra handles all transactions directly and deposit payments directly into your nominated account.

HYDRA®
ELECTRIC VEHICLE CHARGERS

t: 01268 205 121
e: sales@hydraev.co.uk

HYDRA COMMERCIAL DLB

Easy to Install - Real-Time Data - Advanced Power Management

HYDRA COMMERCIAL DLB

Advanced solution for dynamic power management.

The Hydra Commercial DLB offers the simplest and smartest way to dynamically balance directly through your OCPP platform

SPECIFICATIONS

Versatile & Flexible

Easy to use password protected touch screen

Rapid Commissioning

Hardware and OCPP platform agnostic

Energy Optimisation

Real time load management

Increased Charger Availability

More efficient charging sessions

Flexible Connectivity

Wi-fi, ethernet, 4G

Plug & Play

With the Nexus Cloud Pro platform
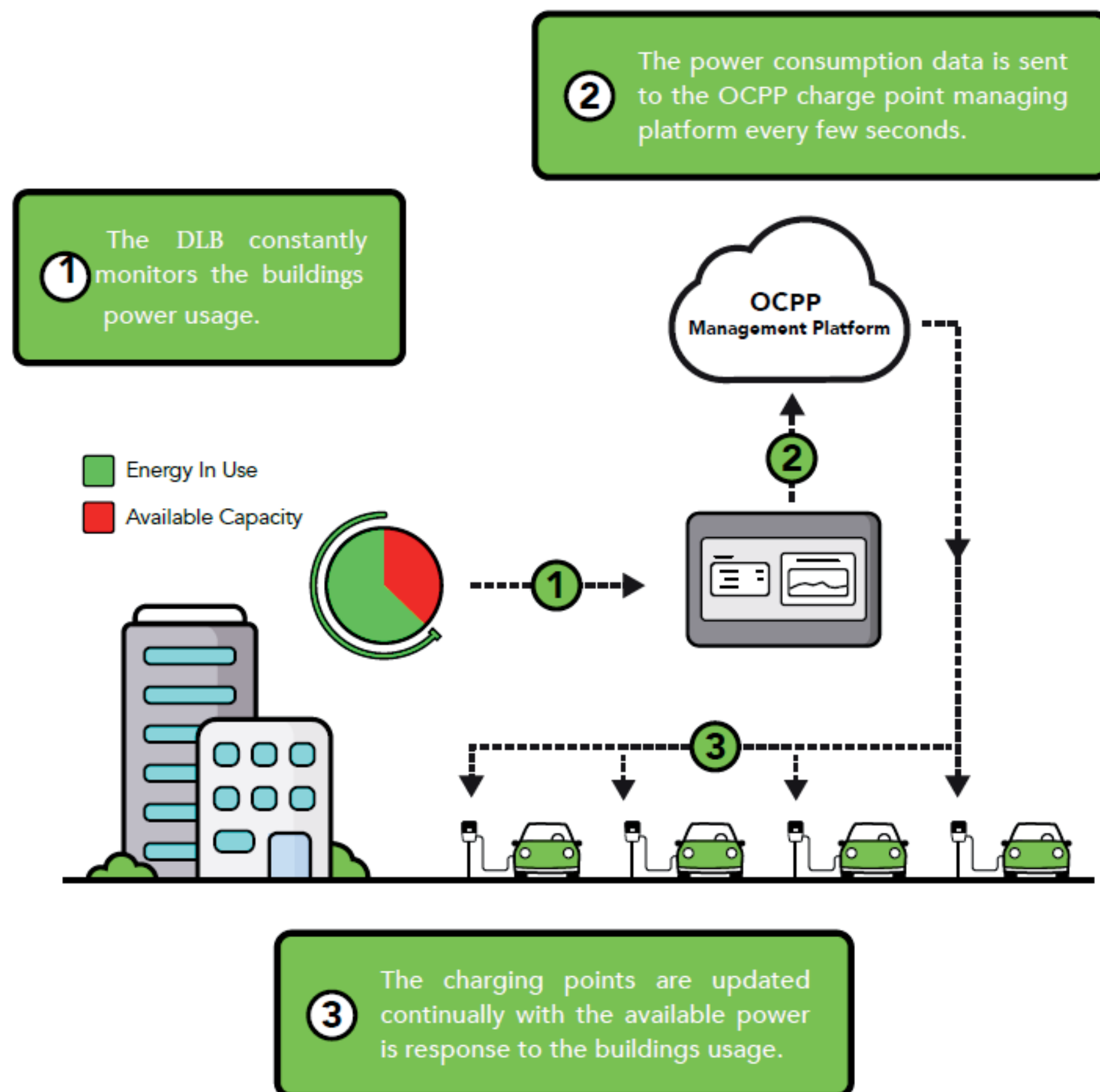
Future Proof Installation

Reduce the risk of exceeding your buildings maximum capacity

HOW DOES IT WORKS?

The Commercial DLB measures dynamic energy consumption at the incoming supply, balancing EV charger output for more efficient and safer load management. Installing the dynamic load balancer ensures you should never exceed the safe maximum load and avoid a costly power outage.

① The DLB constantly monitors the buildings power usage.

② The power consumption data is sent to the OCPP charge point managing platform every few seconds.

OCPP Management Platform

Energy In Use
Available Capacity

③ The charging points are updated continually with the available power is response to the buildings usage.

Installation Guide

i. Standard Wall Fixing

The Libra DLB should be fixed to a suitable wall, sufficient in strength to support the weight and operational use, using the fixings provided or other suitable fixings if required. Care should be taken to site the Libra DLB charger away from direct water sources or excessive moisture.

ii. Supply Connection

A 6A 1mm supply cable should be connected using suitable circuit protection (not supplied).

iii. Installation Guide

EV Charging Electrical Infrastructure Overview
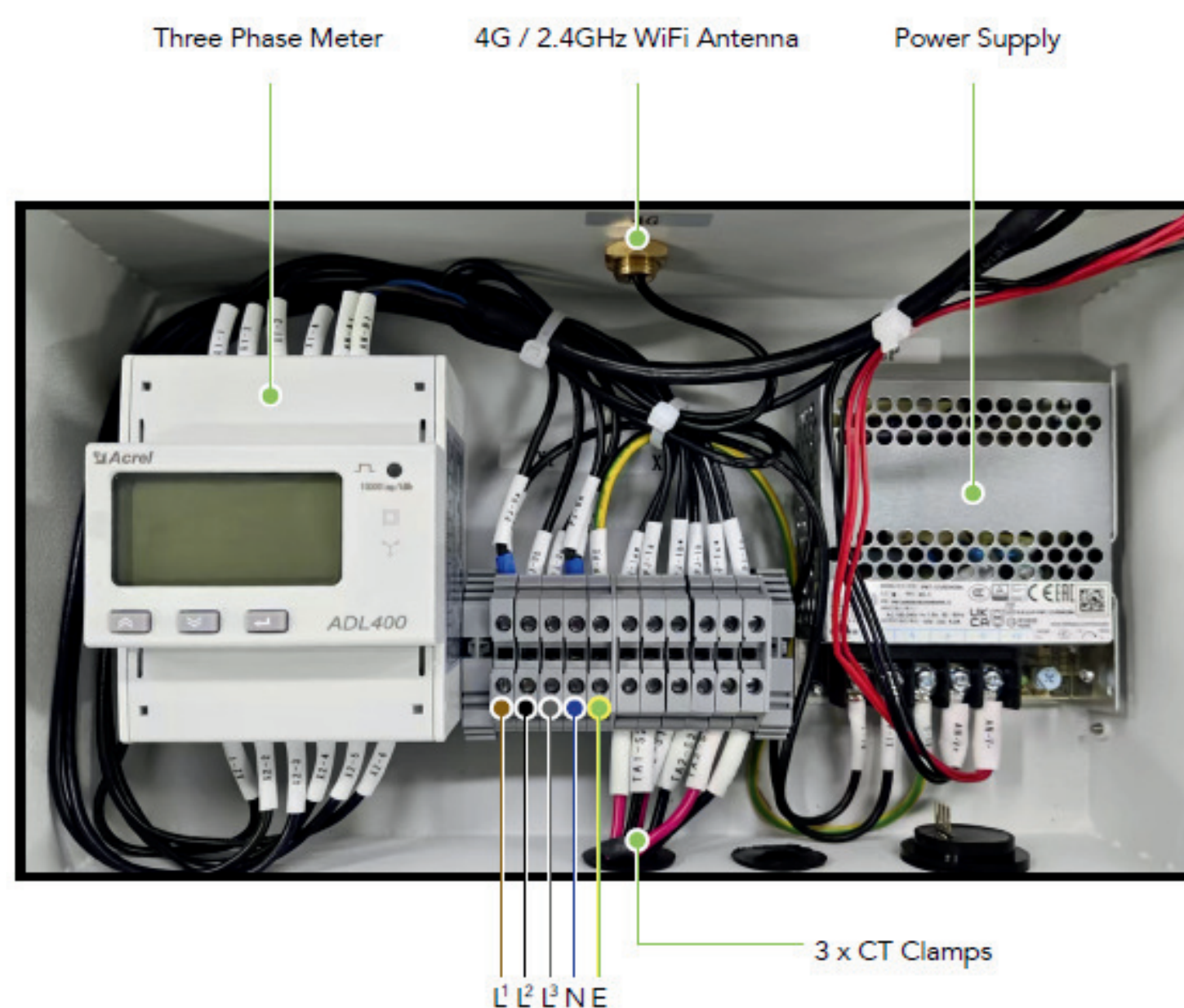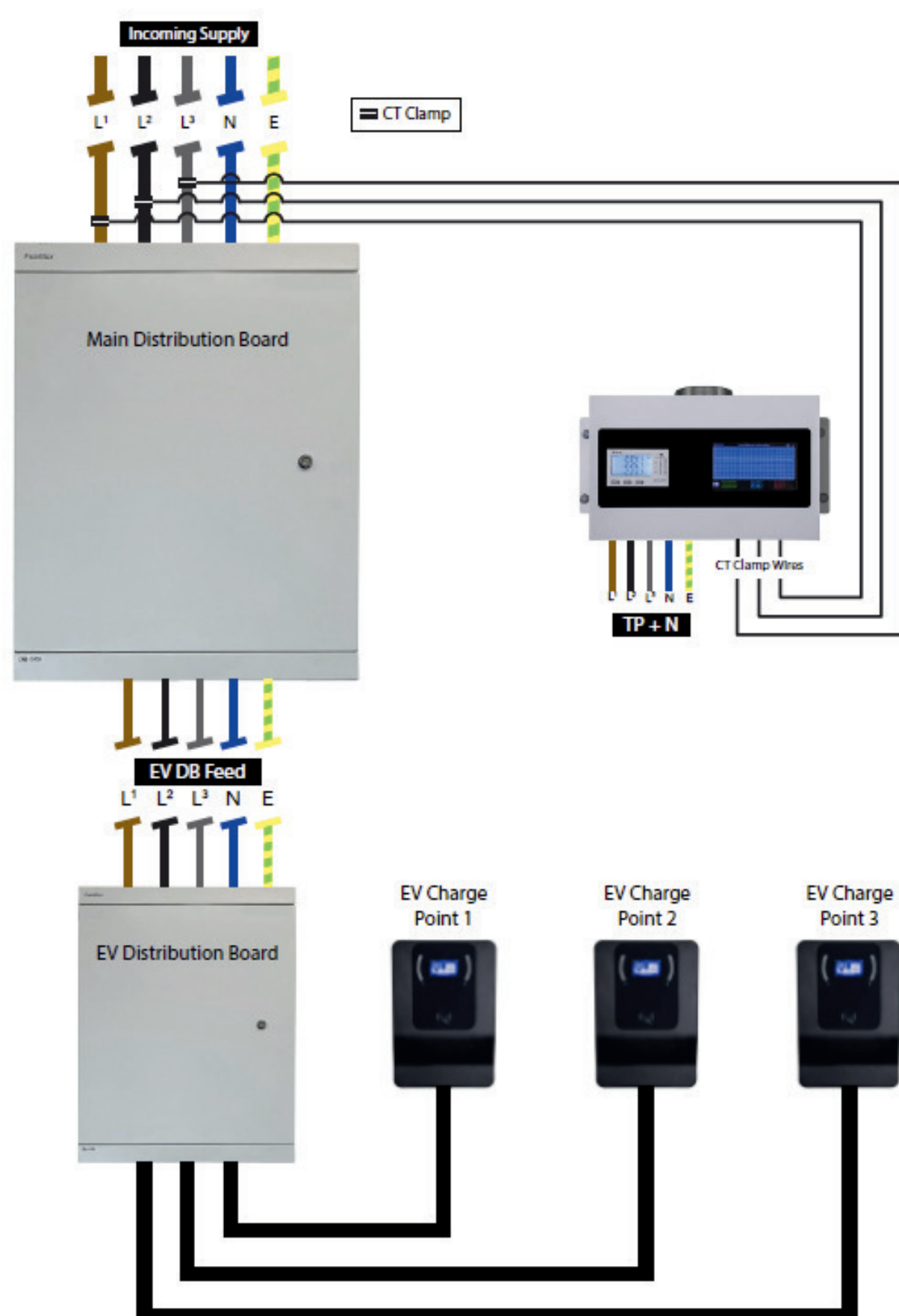
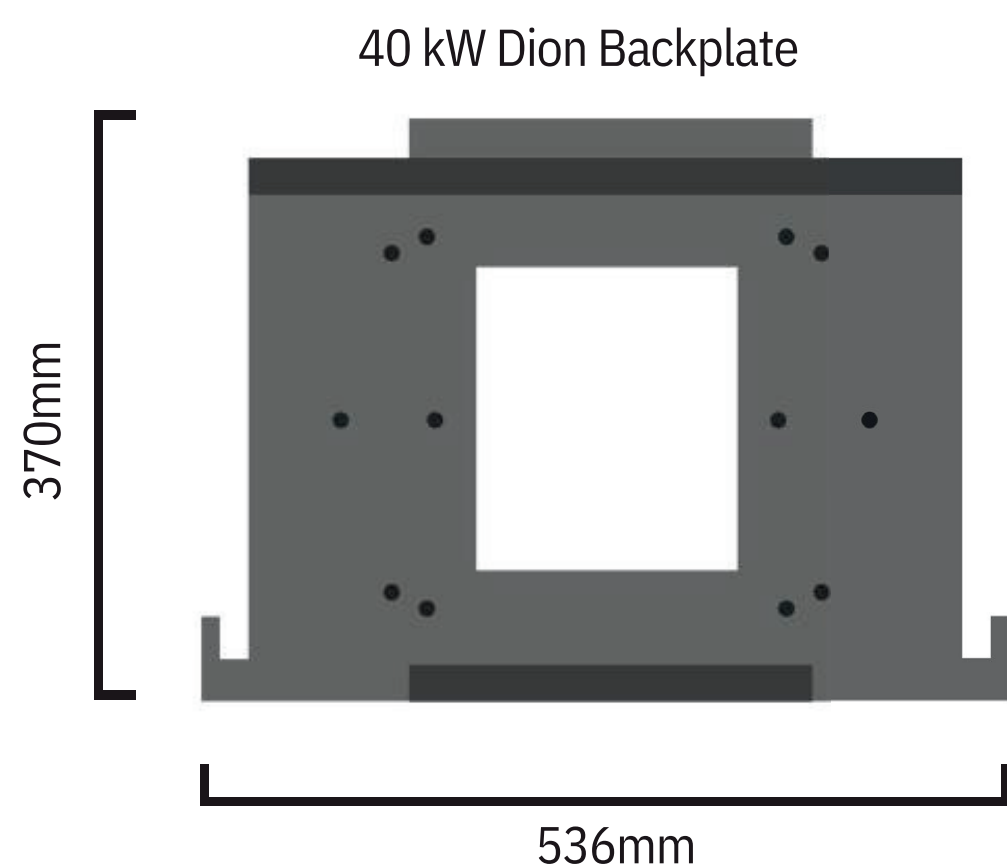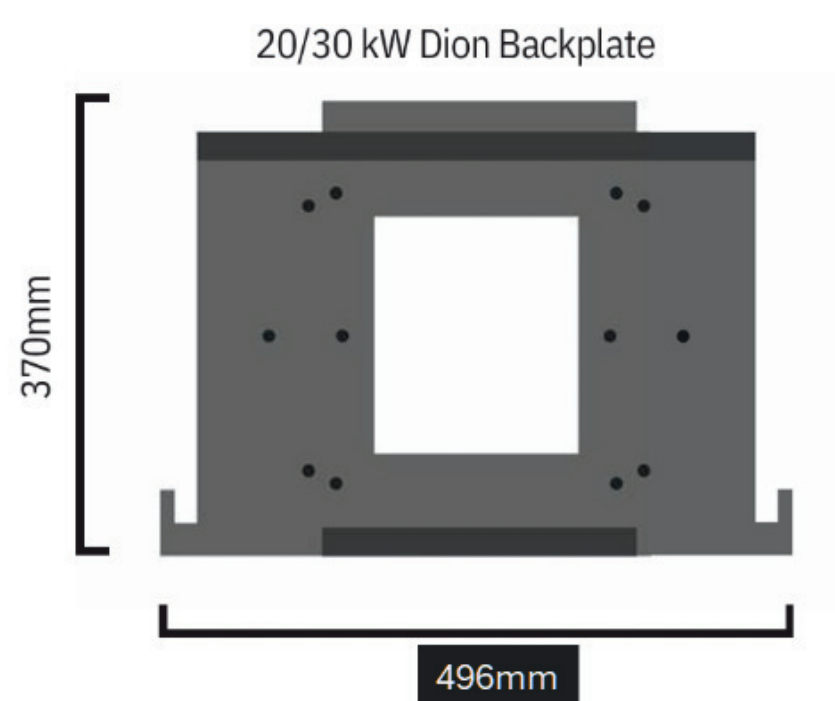# HYDRA DION PEDESTAL

Easy to Install

DION PEDESTAL

Pedestal solution where wall-mounting application is not viable

Specification:

- (H)1200mm x (W) 300mm x (D)165mm Pedestals

- (H) 370mm x (W) 496mm 20kW/30kW Dion Plate

- (H) 370mm x (W) 536mm 40kW Dion Plate

- Made in the UK with British Steel

20/30 kW Dion Backplate

370mm

496mm

40 kW Dion Backplate

370mm

536mm

DC FAST CHARGER

HYDRA
DION

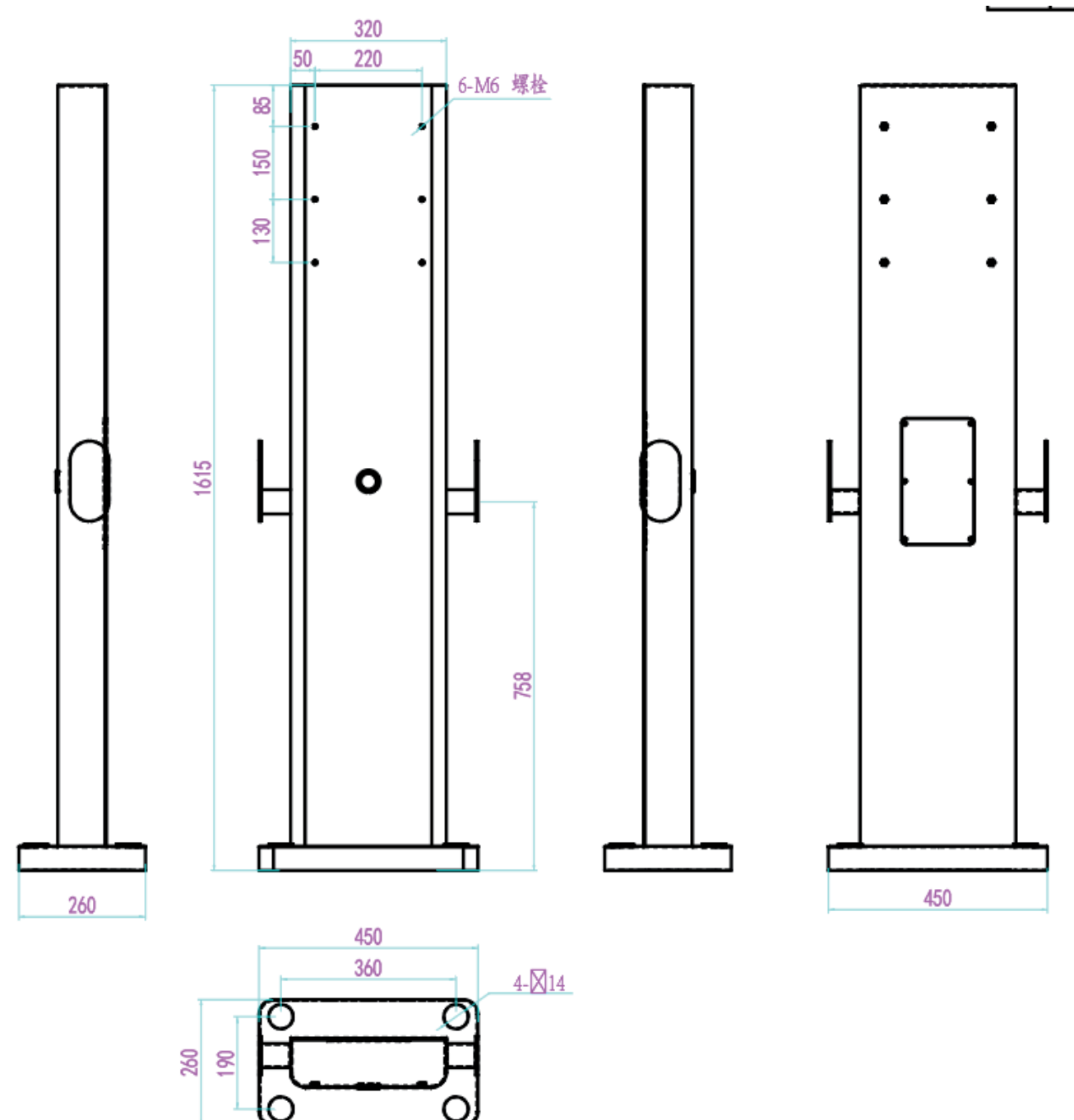# HYDRA DION PEDESTAL HEAVY DUTY

Easy to Install

HYDRA DION PEDESTAL HEAVY DUTY

Ideal for neatly applying your Dion on a pedestal rather than wall mounting it.

Specification:

- (H) 161.5 mm x (W) 320 mm x (D) 260 mm Pedestals

- 40kW bracket (H) 370mm x (W) 536mm

- 20/30kW bracket (H) 370mm x (W) 496mm

- Built to last and weather-resistant.

Images are for demonstrative purposes only and are not reflective of their actual size.

HYDRA EV CHARGING CABLES

EV CHARGING CABLES

Type 2, Single Phase

Hydra single-phase EV charging cables let you charge at any compatible Type 2 electric vehicle charger

Available in 5m to 20m lengths, these cables are designed for up to 32A (7kW) charging only.

HT-SP-5

- Hydra Single Phase Charging Cable 5m

HT-SP-10

- Hydra Single Phase Charging Cable 10m

HT-SP-15

- Hydra Single Phase Charging Cable 15m

HT-SP-20

- Hydra Single Phase Charging Cable 20m

Type 2, Single Phase	
Phase Power Level	Single Phase
Rated Current	32 Amp
Rated Voltage	240VAC
Ingress Protection	IP54 Rating
Lifespan	10,000 insertions
Temperature	-30c to +50c
Guarantee	2 Years
Approvals	CE, CB & TUV Approved

EV CHARGING CABLES

Type 2, Three-Phase

Hydra three-phase EV charging cables are compatible with all Type 2 electric vehicles and ideal for socket-only AC charge points at commercial, workplace, or public sites.

Available in 5m to 20m lengths, they support up to 32Amp / 22kW charging and are also safe for use with single-phase 7kW home charge points.

HT-TP-5

- Hydra Three Phase Charging Cable 5m

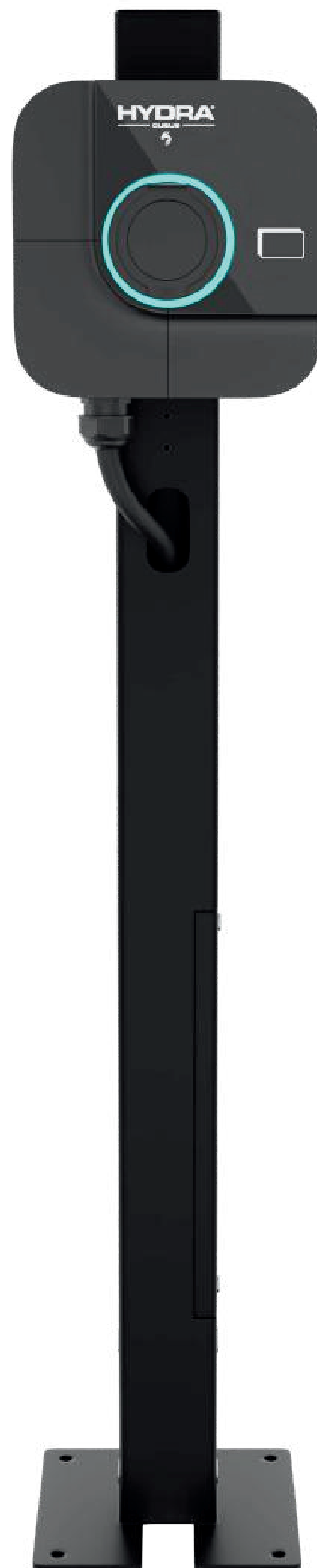**HT-TP-10**

- Hydra Three Phase Charging Cable 10m

HT-TP-15

- Hydra Three Phase Charging Cable 15m

HT-TP-20

- Hydra Three Phase Charging Cable 20m

Type 2, Single Phase	
Phase Power Level	Three Phase
Rated Current	32 Amp
Rated Voltage	440VAC
Ingress Protection	IP54 Rating
Lifespan	10,000 insertions
Temperature	-30c to +50c
Guarantee	2 Years
Approvals	CE, CB & TUV Approved

HYDRA EV TOWER

Easy to Install

THE EV TOWER

Ideal for housing developers and homeowners.

The EV Tower is ahead of the game and provides a neat solution to install and mount our Hydra Cubus and Echo Pro EV chargers either as a single unit or as a back-to-back double mount.

The pedestal can also include cable hangers and dummy socket to keep everything tidy when not in use.

Specification:

- SH90 x 90 x 30 355 Grade Steel

- 8mm Fixing Plate

- Made in the UK with British Steel

- Purpose-built design

- Built to last and weather-resistant

- Hollow steel construction - power and data cables contained inside the main pillar

Hardware & Fixings:

- 2-part, easy to assemble and comes with all fixings:

- 4x M6 Fixings

- 4x 100mm Thunder Bolts

- 4x M4 Fixings

- 4x 10mm Washers

- 4x M10 Caps

HYDRA EV PROTECTION BARRIER

Protection Barriers

Narrow: designed for pedestal mounted chargers and our Hydra Genesis and Tertia floor-mounted models

The perfect partner for protecting any HYDRA EV charging Tower Unit

The EV Barrier is designed to protect your EVC Tower, giving it the space and safety it requires to remain functional and undamaged.
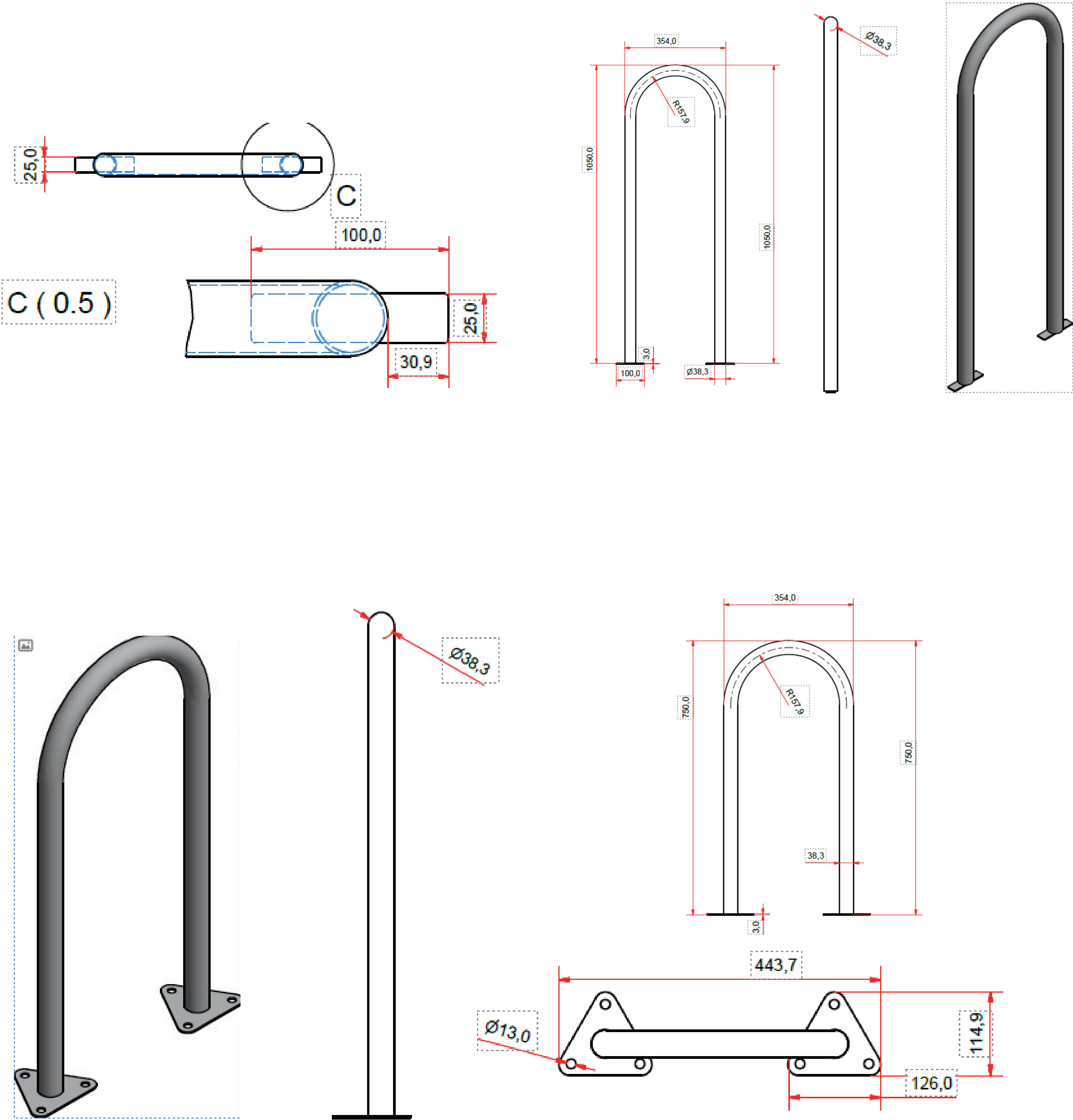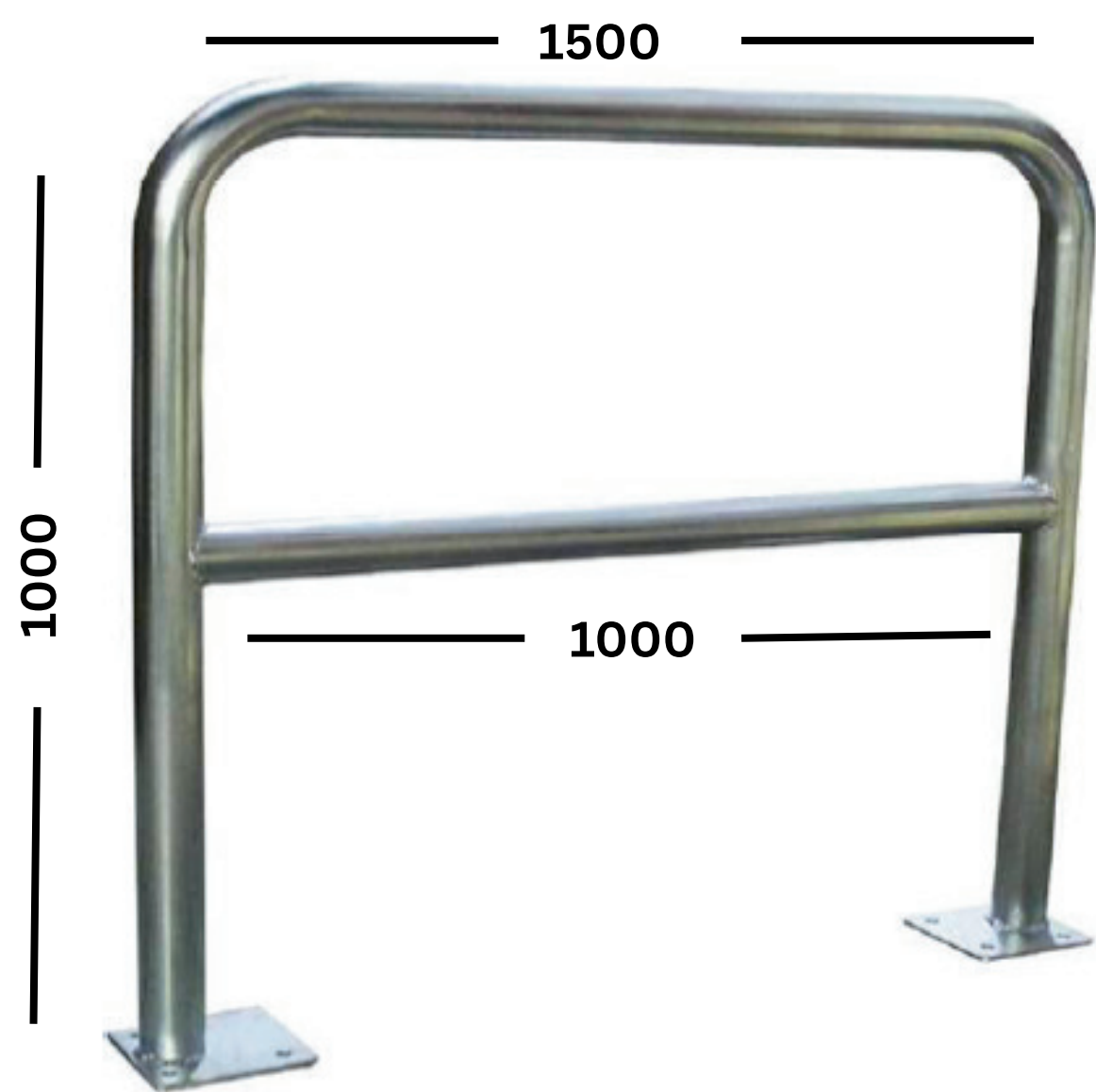
THE EV BARRIER (2)

Wide: designed for our larger models, including Hydra Goliath, Apollo Max and Athena chargers.

Steel protection barrier with plate-galvanized steel - 1500 mm Diameter 40mm

- Made of : Galvanized steel

- Colors : Grey

- Safety steel barrier

Specification:

Length (mm)	Width (mm)	Height (mm)	Diameter (mm)	Plate Dimensions (mm)	Net weight (kg)	Fixing numbers
1000	150	1000	40	150X150	8,10	8

CONTACT DETAILS

t: 01268 205 121
e: sales@hydraev.co.uk
www.hydraev.co.uk

11 Totman Close, Rayleigh SS6 7UZ