

deta.e[🌱]

Smart. Safe. Secure.
NEW EV Charging Solutions



eDock2

deta-e.co.uk



Founded in 1958...

Deta Electrical is a market leading manufacturer and distributor of wiring, lighting, cable management and electrical installation accessories, with a reputation for unrivalled quality, reliability, service and value for money.

As the number one electrical brand of choice amongst new build housing developers, Deta's products are widely specified and installed across the private and social housing sectors, as well as high rise developments, student accommodation and care homes.

Deta Electrical is proud to hold ISO 9001 Quality Management and ISO 14001 Environmental Management certification.

Mission & Core Values

Deta's mission is to use its passion and expertise to provide best-in-class products that meet and exceed ever-changing customer needs.

- ▲ **Trusted** – a brand trusted by customers, Deta is synonymous with high product quality, extensive product knowledge and exceptional customer service. Robust quality control throughout the development and manufacturing stages are key to delivering quality products.
- ▲ **Progressive** – focused on continuous progression, Deta is committed to investment in innovation, product design and ease of installation. Digitalisation is at the heart of Deta's strategy, supporting stakeholder requirements and maximising its value chain.
- ▲ **Sustainable** – Deta is committed to protecting the environment for future generations, to building an inclusive community and to ensuring it acts in the best interests of society.

Think electrical, think... deta▲

DETA | VIMARK | TTE | TOWER | BRACKENHEATH
BRITICENT | CHANNEL | DETA.E | TIMEGUARD



PRODUCT KNOWLEDGE

Knowledge enables the development of products that meet customer needs



SERVICE

Dedicated, specialist teams offer a streamlined experience



PRODUCT QUALITY

Innovation, design & ease of installation are intrinsic to product development

NEW

Residential EV Charge Points

Deta.e offers a smart, safe, and secure EV charging solution for residential (single dwelling and communal) and commercial workplace parking.

The eDock2 is our newest intelligent EV charge point. Taking only 10 minutes to install, this robust and weatherproof charge point provides a smart charging solution that delivers up to 30% savings on charging expenses.

A simple-to-use app provides users with a convenient solution for managing their charge point(s) either in situ or remotely from the palm of their hand.



EVC8001

The eDock2 EVC8001 is compact and smart, suitable for charging all electric and hybrid plug-in vehicles in residential single dwellings.

Designed for quick installation and ease-of-use, this EV charge point offers a reliable, safe and secure EV charging solution for the whole family. With an array of smart features, it provides up to a 7.4kW power rating and load management, which is faster and safer than a 3-pin plug.

Flexible and compact, it can be mounted directly onto a wall or on a post in remote car parking spaces.

Operated via the app or RFID card, it is easy to switch the charge point on and off and restrict access to approved users only.

Compliant with Electric Vehicles (Smart Charge Points) Regulations 2021.

The eDock2 is a 'smart' charge point, enabling users to send and receive information as well as respond to signals by increasing/decreasing the rate of charge, switch on or off or restrict access to approved users only.



- ▲ 7.4kW
- ▲ Integrated 30mA AC & 6mA DC Earth Fault Protection
- ▲ Compatible with Solar & Battery Storage
- ▲ Wi-Fi, Ethernet, Bluetooth, RS485
- ▲ Dynamic Load Management (CT included)
- ▲ OCPP 1.6J & OCPP2.0.1 Compliant for Remote Management & Control
- ▲ Cyber Security/Anti-Tamper Proof
- ▲ Cable Lock Function (via App)
- ▲ IP65 with Plug Fitted, IP55 with no Plug Fitted
- ▲ IK10 Impact Rating
- ▲ 2-Year Warranty Extendable to 3-years Free of Charge on Registration



Easy Installation

Simple to mount on a wall or post. Supplied with an easy fix universal mounting base



Smart

Software updates available via Wi-Fi



Safe

Built-in safety features to ensure the charging environment is safe and secure



PEN Protection

Provides loss of earth protection, eliminating the time, cost and disruption for an earth rod to be installed



PV Solar

Compatible with PV Solar generation and battery storage systems



Reliable

Supported by a 2-year warranty extendable to 3-years free of charge on registration



EVC8006 & EVC8007

The eDock2 EVC8006 and EVC8007 are compact and smart, suitable for charging all electric and hybrid plug-in vehicles in residential single dwellings, as well as remote parking, fed from a landlords supply, where billing of electricity is required*.

Designed for quick installation and ease-of-use, this EV charge point offers a reliable, safe and secure EV charging solution for the whole family. With an array of smart features, it provides up to a 7.4kW power rating and load management, which is faster and safer than a 3-pin plug.

Cloud-based software allows communal parking areas to be managed by a Charge Point Operator (CPO), who is then in control of operating and maintaining the EV charging facility and billing the users.

Flexible and compact, charge points can be mounted directly onto a wall or on a post in remote car parking spaces. When used in a communal parking situation, up to 8 chargers can be linked via a local mesh. A mounting post specifically designed to house an in line MID energy meter is available to complement the EVC8007, where required, in communal parking areas.

Operated via the app or RFID card, it is easy to switch the charge point on and off and restrict access to approved users only.

Compliant with Electric Vehicles (Smart Charge Points) Regulations 2021.

The eDock2 is a 'smart' charge point, enabling users to send and receive information as well as respond to signals by increasing/decreasing the rate of charge, switch on or off or restrict access to approved users only.



- ▲ 7.4kW
- ▲ Integrated 30mA AC & 6mA DC Earth Fault Protection
- ▲ Compatible with Solar & Battery Storage
- ▲ Wi-Fi, Ethernet, Bluetooth, RS485 & 4G[†]
- ▲ Dynamic Load Management (CT included)
- ▲ OCPP 1.6J & OCPP2.0.1 Compliant for Remote Management & Control
- ▲ Cyber Security/Anti-Tamper Proof
- ▲ Cable Lock Function (via App)
- ▲ IP65 with Plug Fitted, IP55 with no Plug Fitted
- ▲ IK10 Impact Rating
- ▲ 2-Year Warranty Extendable to 3-years Free of Charge on Registration



Clenergy EV are Deta's CPO partner of choice for communal parking environments where management and billing services are required. Clenergy EV are able to manage and service communal charging, invoicing users through their cloud based software ensuring a simple and user friendly experience.

*EVC8006: MID Energy Meter Not Supplied. EVC8007: In Line 100A Single Phase MID Energy Meter Supplied.

[†]EVC8006: SIM Card Not Supplied. EVC8007: Clenergy EV SIM Card Supplied (inc. 12 Month Connection).

Specification – eDock2

Product Information	
Model	eDock2
Product Number	EVC8001, EVC8006 & EVC8007
Connection Capacity	Single Phase, 7.4kW AC
Charging Connector	Un-tethered, IEC 62196/Type 2
Charging Protocol	Mode 3 (EN/IEC61851)
Electrical Properties	
AC Charging Output	7.4kW, 32A@230V AC*
Voltage Rating	230 AC nominal +10%/-6%
Input Frequency	50 Hz
Input Current Rating - Maximum	32 A
Energy Monitoring	Power and energy monitoring as standard via app
Overcurrent Protection	Internal overcurrent protection
Communication	
Status Indication / HMI	Multi-colour LED's on front cover and voice prompts
Standard	WiFi 802.11b/g/n/a/ac/ax @ 2.4GHz & 5.0 GHz; Ethernet; Bluetooth; RS485†
OCPP	OCPP1.6J & OCPP2.0.1
Installation	
PEN Fault Protection	Built-in open PEN protection (detection + isolation). Deta EVSE can safely be installed without an earth-rod.
Earth Fault Protection	Integrated RDC:DD 30mA AC and 6mA DC
Service Fuse Protection	Dynamic load management via CT/APP
Commissioning	Partner APP required, using Bluetooth or NFC
Meter	Internal meter +/- 2%
Physical Properties	
Dimensions (H x W x D)	283mm x 191mm x 156mm
Mounting Type	Wall or Post Mounted
Colour	Black
Unit Material	Polycarbonate
Environmental Properties	
Operating Temperature	-40 to +55° C
Operating Humidity	Up to 95%RH, non-condensing
IP Rating	IP65 socket, IP55 with plug inserted, IK10
Standards and Compliance	
EMC Compliance	EN61000-6-3:2006, EN61000-6-2:2019
Safety Compliance	EN 60950-1:2006 + A11 + A1, EN60950-22:2006, BS7671:2018 + A1:2022
EV Charging Compliance	EN61851-1:2019, EN61851-21:2002, EN61851-22:2002, IEC62196-1

†4G versions available - EVC8006 (SIM card not supplied), EVC8007 (Clenergy EV SIM supplied, inc. 12 months connection)

*Charging power may vary based on vehicle make and model as well as electrical installation setup.

Accessories



EVC7101
eDock2
Single Unit Mounting Post



EVC7102
eDock2
Dual Unit Mounting Post



EVC7160
100A Single Phase MID Energy
Meter CT 1 Module DIN Rail Mount



EVC7161
In Line 100A Single Phase MID
Energy Meter 2 Module DIN Rail



EVC7162
100A Three Phase MID Energy
Meter CT 4 Module DIN Rail Mount



EVC7163
In Line 100A Three Phase MID
Energy Meter 4 Module DIN Rail



EVC7075
100A Single Phase MID Energy
Meter & Split Core Current
Transformer Clamp 24mm Diameter



EVC7170
Split Core Current Transformer
Clamp 24mm Diameter



Simple, Straightforward Installation

A fully trained installer is required to carry out the installation of Deta.e charge points. The training can be conducted on deta-e.co.uk and a certificate is provided upon completion.

The **eDock2**, with its compact design, consists of a mounting base that can be screwed to a wall or fitted to a post. A full range of accessories including mounting posts are available.

The charge point is simply connected onto the base, with a front fascia clipped over the power module, and secured with a security torx screw.

Location

- Install your charge point on a flat vertical surface capable of supporting its weight (the charger has a weight of approximately 2.3kg)
- Position the charger in a location where it is not vulnerable to being damaged
- Cable routing should be considered, e.g. whether supply cables are routed through a wall, or surface mounted
- The charge point can be mounted on a suitable post, with a suitable externally rated supply cable, e.g. SWA
- If using Wi-Fi for communication, signal strength needs to be determined before installation commences
- For a more reliable internet connection, it is recommended that an Ethernet cable is routed to the charge point. A cable with a RJ45 connector can be plugged into the bottom of the unit. Alternatively, the rear cable entry point can be used. In this case, an RJ45 connector will be required.
- Consider the charging point location relative to the vehicle, whether length of the charging cable will sufficiently reach the vehicle's charging port

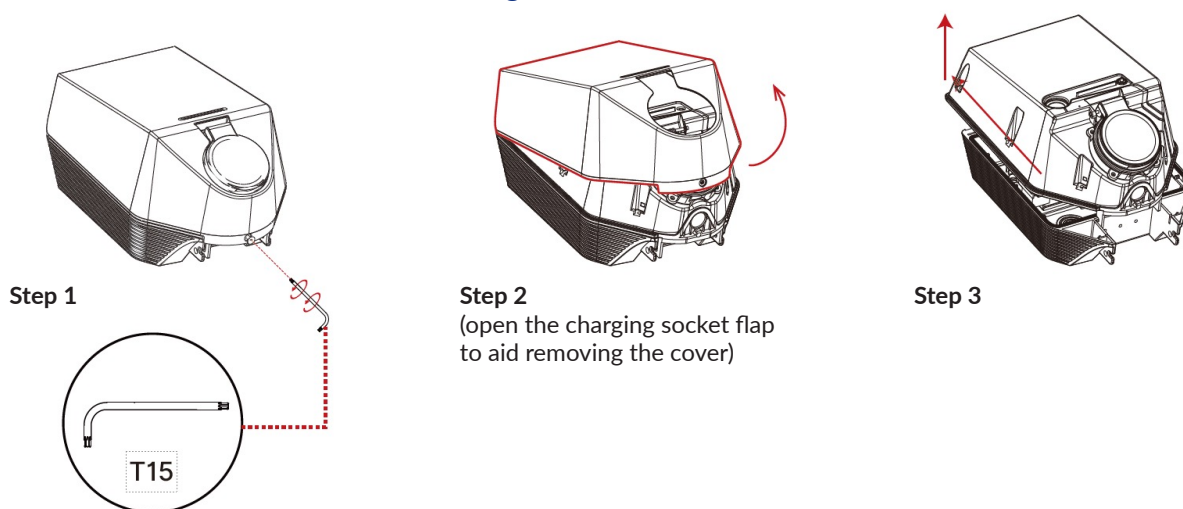
Commissioning

For commissioning you need to download the “Elecq Partner” app either via the links on the Deta.e website or from your usual provider.

The “Elecq” app is for end users and the “Elecq Partner” app is for installers.

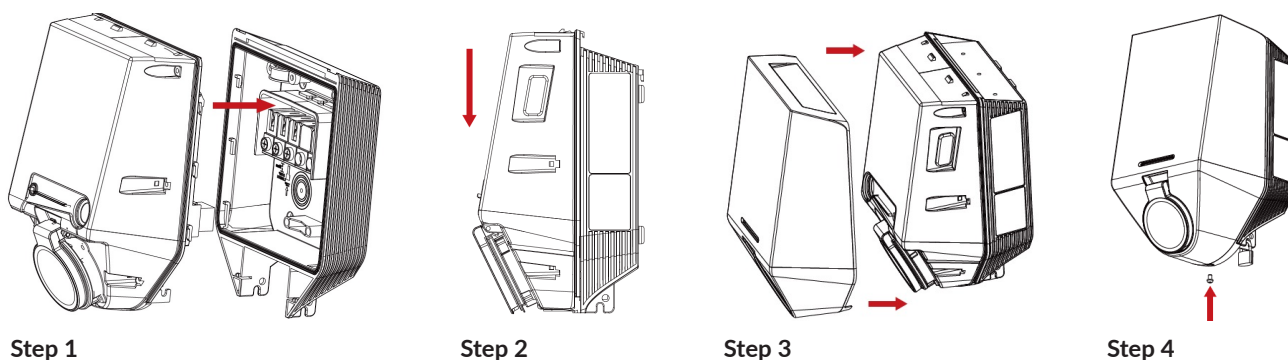
Detaching the Front Fascia and Main Unit From the Mounting Base

1. Loosen the security screw using the torx key supplied.
2. Open the charging socket flap, tilt the front fascia over the flap and gently pry it away from the main unit.
3. Grasp the rear of the mounting base and push/slide the main unit upwards with force until it detaches from the mounting base.



Attaching Charge Point to the Mounting Base

1. Align the main unit on the mounting base so that the contact pins fit into the small void above the contacts inside the mounting base, ensuring the main unit sits flat on the mounting base.
2. Apply downward force on the main unit to slide it into position, ensuring it is fully engage otherwise the cover will not fit correctly.
3. Hook the front fascia onto the catches at the top of the main unit. Then, tilt it down over the charging socket flap and press it down until it clicks into place.
4. Secure the security screw using the torx key required.



IMPORTANT

Do not replace the cover until the Charge Point is commissioned.

Smart Control App

Complete with a multitude of features, the “Elecq User” app provides users with the ability to track, manage and optimise EV charging.

The Elecq app, which is downloadable from deta-e.co.uk (or App Store/Google Play) allows users to carry out vehicle charging to suit their lifestyles. Charging can be scheduled remotely to power up vehicles at the times that offer lower energy prices, and the battery charge status can be tracked whilst charging.

Providing an excellent experience whether charging at home or on the road, the advantages of the app for home use include:

- ▲ Scanning the QR code on a home charge point to streamline the setup and configuration process
- ▲ Fast and convenient charging via the Autostart feature
- ▲ Schedule charging sessions during off-peak times to reduce electricity costs
- ▲ View real-time charging statistics and monthly

When on the road, the app includes the following features:

- ▲ Start and stop charging using your charge card or by scanning the QR code on the public charge point
- ▲ Displays the availability status of public charge point
- ▲ View site information
- ▲ Link your credit card to streamline the payment process using public charge points



Scheduling

Organise timings, charges easily, and remotely



Charge Point Control

Complete control of your smart charge point



Notifications

Be informed when charging is complete



User Setup

Step 1

Download the Elecq User App from the www.deta-e.co.uk website by scanning the website QR code on the side of the charge point (marked 1 on the diagram) or your usual App provider

Step 2

After downloading and opening the Elecq App, follow the instructions to create an account:

1. Use a valid email address or mobile phone number
2. A verification code will be sent to the email address or mobile phone number used
3. Enter this code when prompted to complete registration

Step 3

▲ Follow the on screen instructions to add the Charge Point to the app by scanning the QR code or entering the serial number (marked 2 on the diagram)

▲ The Charge Point will need to be connected to the internet

▲ A charging schedule can be set:

Maximum Charging Current

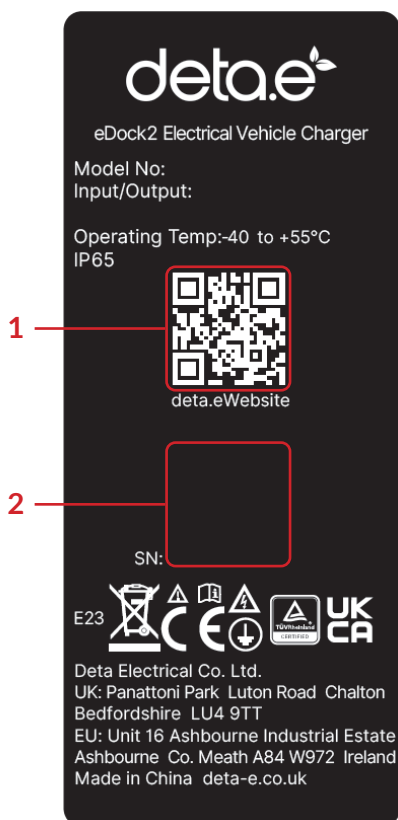
- The maximum charging current can be adjusted

Autostart

- This feature can be selected to start charging when the EV is connected

Randomised Delay

- This feature should be enabled as required by the Smart Charge Regulations, but can be tuned off



Customer Service & Support

Our Deta.e team is dedicated to providing system design support and guidance to housing developers, local authorities and end users nationally. This covers EV charge points connected to individual properties and those serving communal and workplace parking areas.

Deta.e also provides customer support to ensure a smooth customer experience. Along with our software partners, we are able to monitor connected EV charge points and troubleshoot any issues.



Track Record

Extensive experience supplying house builders with quality products



Easy Installs

Fast, simple installations make this ideal for homeowners & contractors



Dedicated Installers

Trained installers to assist any installation



Support on Demand

Technical support provided





With over 65 years of electrical industry experience, Deta has grown to become a trusted market leading manufacturer and distributor of wiring, lighting, cable management and electrical installation accessories, with a reputation for unrivalled quality, reliability, service and value for money. As the number one electrical brand of choice amongst new build housing developers, Deta's products are widely specified and installed across the private and social housing sectors, as well as high rise developments, student accommodation and care homes.



Steeped in over 25 years of history, Deta Electrical's long established Vimark brand holds a reputation for the supply of high quality, value for money electrical and wiring accessories. Offering a wide portfolio of products, including wiring accessories, motion sensors, ventilation, hand dryers, back boxes and electrosparcs, Vimark is a long established and trusted brand that supports electrical contractors with their everyday installation requirements.



TTE is a market leading brand of electrical conduit tube and fittings, combining the former Top Tubes Electrical and Stephen Glover businesses. With more than 50 years' experience, TTE has been specified and installed on many high-profile projects, including the London 2012 Olympic site, Wembley Stadium, Westfield Shopping Centre, Dubai International Airport and The Louvre Museum Abu Dhabi. TTE offers a reliable and best in class cable management solution that is fully compliant with British Standards.



A long established brand, well regarded for its vast range of high quality installation materials, the trusted Tower brand represents an exciting addition to Deta's comprehensive brand portfolio. The Tower offer includes its highly acclaimed range of Installation Materials, including the original Tower Cable Clips, an 18th Edition Fire Rated range, Portable Power and Low Voltage Cable.



Established in 1978, Brackenheath is renowned for supplying high quality and competitively priced domestic and commercial lighting products. Through continuous investment in LED and sensing technologies, Brackenheath pioneered the design of its market leading iSpot® range of slim profile, driverless LED Floodlights and continues to lead the way in bringing to market new and innovative LED lighting solutions.



Since its inception in 1908, Briticent Site Electrics has enjoyed more than 100 years of successful trading with a long-standing customer base. Briticent built its reputation on the Gripper® range of handlamps, and over the years has developed a core range of essential site lighting and power distribution products. Briticent continues to lead the way with new and innovative energy saving products, becoming the site lighting brand of choice amongst electrical installers throughout the UK and Ireland.



Established in 1976, Channel is a leading manufacturer of emergency LED lighting and safety systems and a key distributor of the UK's leading brands for fire detection solutions. Renowned for the breadth and depth of each product range, Channel has gained a loyal customer base driven by an excellence in technical and customer support. Proud to be affiliated with ICEL, LIA and EDA, Channel is registered with BSI and is a member of the Apollo Partner Plus programme.



A trusted UK industry leader synonymous with quality and innovation, Timeguard has more than 25 years' experience in the manufacture and sale of time, light, safety, wi-fi and climate control electrical products. Continuously delivering energy savings that owners and occupiers are looking for, alongside the creation of new designs that offer easy installation, Timeguard has become a favourite among homeowners and installers. (timeguard.com)

Think electrical, think... deta



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