

eVolo<sup>o</sup>  
a deta brand



evolo.uk







# Smart. Safe. Secure.

Designed with cutting edge technology, eVolo EV charge points offer smart, safe and secure EV charging solutions for residential (single dwelling and communal) and commercial (workplace and public) parking.

Quick to install and easy to use, these smart charge points provide users with a best in class charging experience.

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.



## Visionary and Pioneering

eVolo is a Deta Electrical brand created to deliver products that focus on providing for a green and sustainable future.

Founded in 1958, Deta Electrical is a market leading manufacturer and distributor of high quality wiring, lighting and electrical accessories. With a reputation for quality, reliability and value for money, Deta is the number one specification of choice in the new build segment.



### 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

## Powered by **AUTEL**

Deta is proud to have partnered with Autel, a long-established global automotive technology company with a pedigree in developing and bringing to market intelligent diagnostic, detection and analysis systems. eVolo's EV charge points are powered by Autel.



# Charge rEVolution

More than 365,000 plug-in hybrid and battery-electric cars were registered in 2022, showing a growth of 20% from 2021. Pure battery only electric vehicles (BEVs) now account for 16.6% and plug-in-hybrid vehicles (PHEVs) 6.3%.

# 22%

of new UK car sales in 2022 were electric (BEV & PHEV) vehicles

The EV market continues to grow and is expected to accelerate over the next few years as the UK prepares itself for the 2030 ban on new petrol and diesel car sales.

EV charging solutions are now a 'must have' for every home and workplace.



Petrol & diesel car sales will be banned from 2030



1 in 3 used cars will be electric by 2030

1 electric car on the road can save an average of

# 1.5 million grams of CO<sub>2</sub>

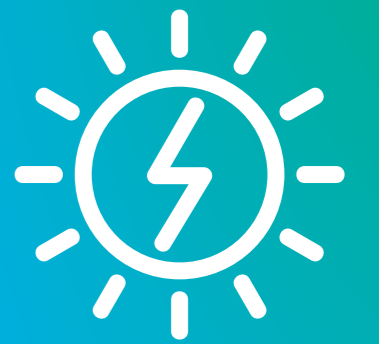


By 2040, the number of hybrid or electric cars could reach

# 25.5 million<sup>^</sup>

eVolo EV charge points can draw energy from domestic solar panels and/or charge storage systems where installed, reducing CO2 emissions and saving energy costs.

Source: carmagazine.co.uk <sup>1</sup>The Society of Motor Manufacturers and Traders (SMMT) <sup>2</sup>Local Government Association



Compatible with PV Solar generation and battery storage systems





## Charging at Home

The eVoom 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, the eVoom offers a reliable and secure EV charging solution for the whole family. With an array of smart features, it provides up to a 7.4kW power rating, which is faster and safer than a 3-pin plug.

Flexible and compact, the 7.4kW eVoom can be mounted directly onto a wall or on a post in remote car parking spaces.

It can be operated via the app or RFID card, making it easy to switch the charge point on and off and restricting access to approved users only.

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

The eVoom is 'smart', which enables users to send and receive information as well as respond to signals by increasing/decreasing the rate and/or timings for charging to take advantage of demand side response services.



**Simple**  
Easy Installation



**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



**Reliable**  
A full 5 year parts and labour warranty

## Why Now?

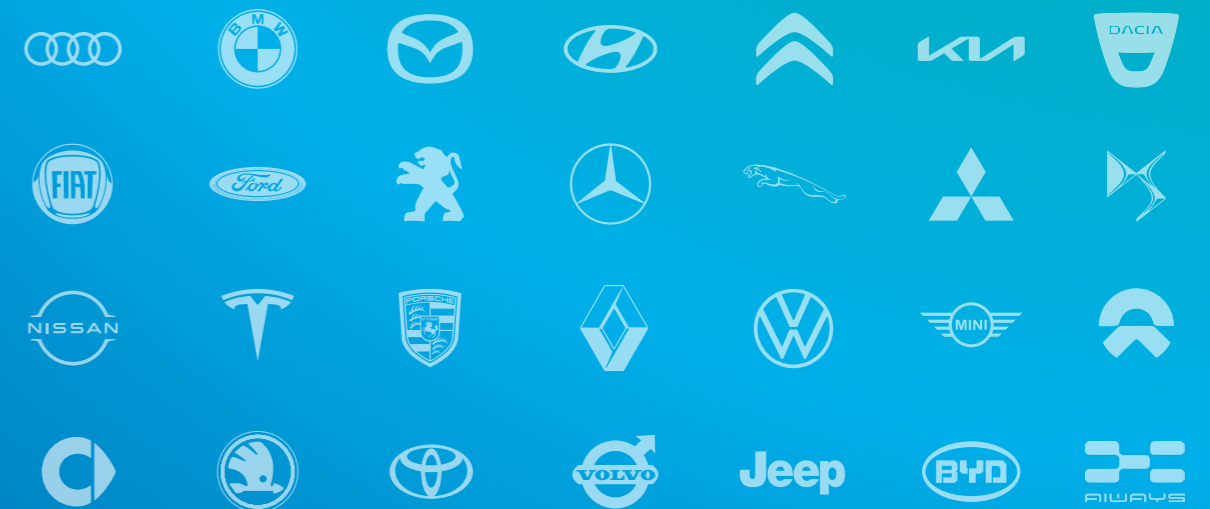
New government legislation requires new-build dwellings to be installed with electric vehicle charge points.

Building Regulations Part S requires new builds and existing homes that are undergoing large renovations (10+ dwellings) to have electric vehicle charging facilities installed.

Additionally there has been a change of emphasis for OZEV grants, which are now available for flats and the workplace rather than existing individual dwellings.



## Compatible with Major EV Car Brands





# Communal Residential & Commercial Charging

The eVoomXT is a multi-user smart charge point designed for communal residential and commercial EV charging (workplace, retail parks).

Optional 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.



Packed with triple protection technology for safe charging, the eVoom XT features optional intelligent battery diagnostics for longer life. Load management and phase balancing options are available so the maximum number of vehicles can be charged simultaneously. Available to suit single phase (7.4KW) or three phase (11KW/22KW) options, users can access the smart charge point via the app (free to download) or RFID card.

The CPO can access the eVolo cloud based management solution to oversee status and provide billing as required. Incorporating the OCPP 1.6J operating system allows third party apps and management solutions such as Monta and Fuse to be used where preferred.



## Powerful

The eVoomXT can support up to 7.4KW 32A on single phase or 22KW 32A on three phase and has an untethered Type 2 connector



## Reliable

A full 5 year parts and labour warranty



## PEN Protection

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



## Versatile

Suitable for inside or outside mounting

# Sustainability



Promoting sustainability throughout our operations



Protecting the environment



A tree is planted for every unit sold



Product components made out of recyclable materials





# Smart App Control

Complete with a multitude of smart features, eVolo's charge points come with an app to track, manage and optimise EV charging.

Through the app, which can be downloaded from eVolo.uk (or Apple/Google Play stores), users can 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 energy consumption

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 and charges easily, and remotely



## Notifications

Be informed when charging is complete



## Health Monitoring

EV battery health checks and history review (additional hardware required)



## Charge Point Control

Complete control of your smart charge point





## Customer Service & Support

An eVolo 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.

eVolo 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.

## Why Choose eVolo EV Chargers?

Ideal for domestic or workplace usage, eVolo's EV charge points are packed with multiple features and offer a longer battery life span, enhanced security and reliability. They come with a full range of accessories that can be tailored to the destination.

Futureproof, eVolo enables over-the-air updates and provides an app on which users can monitor one or more charge points.

**This really is the future of EV Charge Points.**



**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



**Reliable**  
A full 5 year parts and labour warranty





# Specification – Home

| Product Information      |   |
|--------------------------|---|
| Model                    | eVoom   |
| Product Number           | EVC7007   |
| 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*   |
| Input Voltage            | 230V AC nominal   |
| Input Frequency          | 50 Hz   |
| Input Current (max)      | 32 A  |
| Energy Monitoring        | Power and energy monitoring as standard via APP   |
| Overcurrent Protection   | Internal overcurrent protection   |
| Communication            |   |
| Status Indication / HMI  | Deta Multi-colour LED's on front cover  |
| Standard                 | WiFi 802.11b/g/n @ 2.4GHz; Ethernet; Bluetooth; RS485   |
| Installation             |   |
| PEN Fault Protection     | Built-in open PEN protection (detection + isolation). Deta EV Home can safely be installed without an earth-rod |
| RCD Protection           | Integrated 30mA AC and 6mA DC RCD   |
| Service Fuse Protection  | Automated load management via wired CT and MID meter (available seperately)                                     |
| Physical Properties      |   |
| Dimensions (H xWx D)     | 192mm x192mm x109mm   |
| Mounting Type            | Pole/Wall mounted   |
| Colour                   | Black   |
| Unit Material            | PC  |
| Environmental Properties |   |
| Operating Temperature    | -30 to +50° C   |
| Operating Humidity       | Up to 95%RH, non-condensing   |
| IP Rating                | IP54, 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 + A2:2022  |
| EV Charging Compliance   | EN61851-1:2019, EN61851-21:2002, EN61851-22:2002, IEC62196-1  |

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

# Specification – Communal & Workplace

| Product Information      |  |
|--------------------------|--|
| Model                    | eVoomXT  |
| Product Number           | EVC7005  |
| Connection Capacity      | Single Phase, 7.4kW & Three Phase, 22kW 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 & 22kW, 32A@400V AC*  |
| Input Voltage            | 230V AC & 400V AC nominal  |
| Input Frequency          | 50 Hz  |
| Input Current (max)      | 32 A   |
| Energy Monitoring        | Power and energy monitoring as standard via APP & LCD display                                      |
| Overcurrent Protection   | Internal overcurrent protection  |
| Communication            |  |
| Status Indication / HMI  | Touch Screen & Multi-colour LEDs   |
| Standard                 | WiFi 802.11b/g/n @ 2.4GHz; Ethernet; Bluetooth; 4G; RS485  |
| Installation             |  |
| PEN Fault Protection     | Built-in open PEN protection (detection + isolation). Can safely be installed without an earth-rod |
| RCD Protection           | Integrated 30mA AC and 6mA DC RCD  |
| Service Fuse Protection  | Automated load management via wired CT & MID Meter (Only CT available seperately)                  |
| MID Meter                | Inbuilt +/- 1%   |
| Physical Properties      |  |
| Dimensions (H xWx D)     | 335mm x 187mm x 85mm   |
| Mounting Type            | Pole/Wall mounted  |
| Colour                   | Grey   |
| Unit Material            | PC   |
| Environmental Properties |  |
| Operating Temperature    | -40 to +55° C  |
| Operating Humidity       | Up to 95%RH, non-condensing  |
| IP Rating                | IP54, 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 + A2:2022                                 |
| EV Charging Compliance   | EN61851-1:2019, EN61851-21:2002, EN61851-22:2002, IEC62196-1                                       |

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





a **deta** brand

**deta**▲

**Deta Electrical Company Limited**  
Panattoni Park Luton Road Chalton  
Bedfordshire LU4 9TT



[deta.co.uk](https://www.deta.co.uk)

Version 1.6