eVolo

a **deta** brand

evolo.uk

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

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.

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_2

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

25.5 million^

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 ^The Society of Motor Manufacturers and Traders (SMMT) ^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.

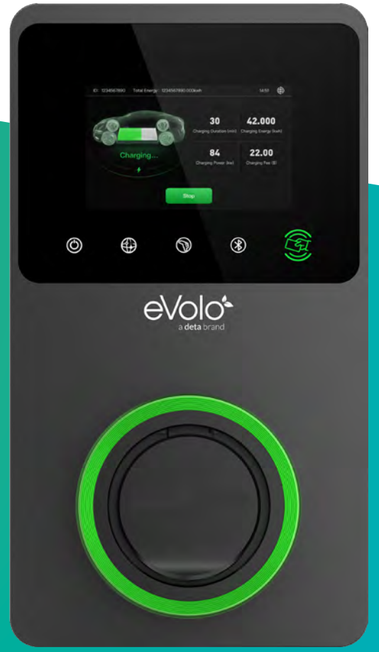
Additionally there has been a change of emphasis for OZEV grants, which are now available for flats and the workplace rather than existing individual dwellings.

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.



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

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.

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.

Download on the App Store

GET IT ON Google Play

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.

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

deta.co.uk

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