PROJECT EV

# THE FUTURE OF EV CHARGING

## A FULL RANGE OF AC & DC CHARGERS


## FEATURES PACKED AS STANDARD...

- 5 YEAR WARRANTY
- PRO EARTH NO SPIKE REQUIRED*
- DYNAMIC LOAD MANAGEMENT
- SMART MOBILE APP
- CABLE LOCK SYSTEM
- INTEGRATED RCBO ISOLATION
- FULL PROTECTION
- QUICK INSTALLATION

projectev.co.uk

*Pro Earth - 'No Earth Spike Required' only applies to SE charger models.

# Working towards Decarbonisation with Renewable Energy and Electric Vehicle Charging is at the Heart of What We Do.

Our mission is to drive Project EV and its range of Electric Vehicle chargers to being the most advanced smart solution for all customers, resellers or manufacturers. With leading technology and exceptional service, Project EV aims to be the preferred choice in the UK and Europe.

PROJECT EV

# EVERBODY IS GOING ELECTRIC

PROJECT EV

Everybody is going electric; the range of vehicles is bigger than ever with all manufacturers from Ford to Ferrari, domestic and commercial vehicles are all making introduction EVs a part of their core range. The infrastructure is growing at the same pace with more accessibility to charge points across the UK.

**780,000+**

Total Plug-in Cars Registered in the UK February 2022 (approx)

**15,094**

New Plug-in Cars Registered UK February 2022 (approx)

**74%**

Growth of electric vehicles registered February 2022 in the UK since 2020 (approx)

**30,412+**

UK Charge Points March 2022 (Zap-Map)

Data Sourced from: https://www.nextgreencar.com/electric-cars/statistics/ & www.zap-map.com/statistics/ (April 2022)

## GO ELECTRIC NOW AND SAVE

Annual EV Running Costs

**Small Car**
(Renault Zoe Play R110)

**£361.00**

**Electric:** 17.5p/kW
**Miles Per Year:** 7,400

**Medium Car**
(Tesla Model 3 Standard Plus)

**£300.00**

**Electric:** 17.5p/kW
**Miles Per Year:** 7,400

**Large Car**
(Ford Mustang Mach-E)

**£344.00**

**Electric:** 17.5p/kW
**Miles Per Year:** 7,400

Data Sourced from: www.comparethemarket.com/car-insurance/content/electric-vehicle-cost-calculator/ (February 2022)

# THE FUTURE OF EV CHARGING IS NOW

## OUR RANGE OF EV CHARGERS


## JOIN THE EV CHARGING REVOLUTION FOR A SUSTAINABLE TOMORROW

At Project EV, we specialise in providing only the most cutting-edge electric vehicle charging points, connecting our customers with technology that breaks boundaries. Our goal is to help people finally make the switch to clean and affordable energy by adopting smart charging for electric vehicles.

With a wide range of floor and wall-mounted AC and DC electric car chargers, our technology provides you with the high energy output you need to keep your EV charged and running well. Our range of electric vehicle charge points extends from 7.3kw AC up to 360kw DC charge points, providing solutions for all locations. Our electric vehicle charging points come with full electrical and temperature protection, compact design, smart apps, and they are all tested to European standards, with an OCPP v1.6 open charge point protocol.


**BRAND NEW**

**PROJECT EV CHARGERS JOINING OUR RANGE!**

*Find out more on Page 16...*

# FEATURES PACKED AS STANDARD

We pack our products with the best features, so you can make the most out of your EV charger.

All of our 7.3kW fast charge points, up to our 40kW rapid chargers, are all OZEV approved. All of our chargers are OCPP 1.6 compliant, all meeting UK & European standards, and they are all covered by a market-leading five-year warranty.

- 5 YEAR WARRANTY
- PRO EARTH NO SPIKE REQUIRED
- CABLE LOCK SYSTEM
- 18TH EDITION COMPLIANT
- SMART MOBILE APP
- INTEGRATED RCBO ISOLATION
- DYNAMIC LOAD MANAGEMENT
- OFF-PEAK TIME SHIFTING

Project EV are proud to be one of the most competitively priced electric vehicle charge point manufacturers on the market, with a highly versatile range, we are positive Project EV can solve all your electric vehicle needs.

## ADDITIONAL CHARGING ACCESSORIES

We also offer a range of accessories including cables, protection barriers, mounting poles, signage, and additional RFID cards.

### Cables.

Ensure you have the exact charging cable you need for your unit. Project EV has a range of charging cables available to tailor around your needs.

### Floor Stands.

Your EV Charger is not limited to being wall mounted. With the Project EV Floor Stands you can safely mount your charger to our secure posts.


### RFID Cards.

Allow for multiple people to use your RFID controlled EV charger. Get additional cards and give them access to your charge point, with a simple swipe.

SMART ELECTRIC VEHICLE CHARGING MADE EASY.

*Pro Earth - 'No Earth Spike Required' only applies to SE charger models.

# AC VS DC CHARGERS

PROJECT EV

There are two kinds of 'fuels' that can be used in electric cars. They're called alternating current (AC) and direct current (DC) power. The power that is supplied from the grid is always AC. However, batteries like the one that powers your EV, can only store power as DC. This means that inbetween the grid and the battery, this energy has to be converted.

## FAST AC CHARGERS

*4 - 12 hours Charging*

An AC charging point/EVSE supplies the vehicle's onboard charger which in turn converts the AC power to DC, charging the battery. The size of the onboard charging device is constrained by the space inside the vehicle, and the price point the manufacturer needs to sell the car. With a vehicle's onboard converter being small, the amount of power that AC chargers can deliver to the battery is typically low (6-22kW).The constrained supply makes it more ideal for long-stay parking, hotel overnight parking, office visitor/employee parking, overnight fleet and domestic charging, and long-stay public charging.

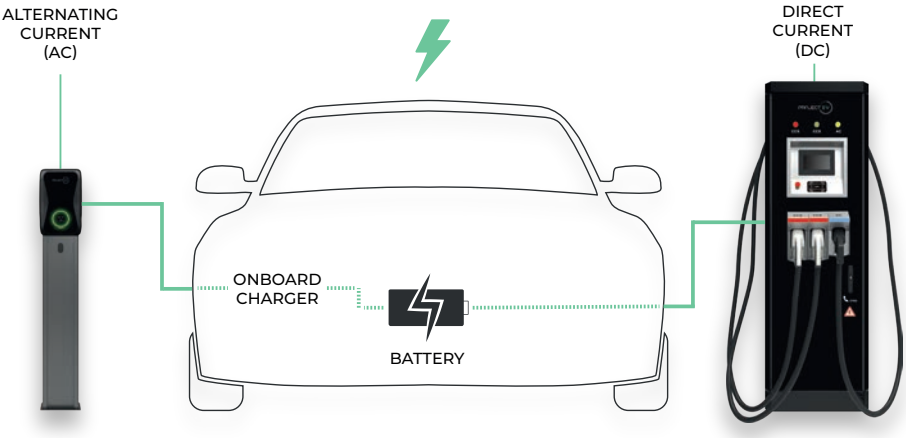
When it comes to electric vehicles, the converter is built inside the car. It's called the "onboard charger" though it really is a converter. It converts power from AC to DC and then feeds it into the car's battery.

## RAPID DC CHARGERS

*30 Minutes - 4 Hours Charging*

A DC rapid charge bypasses the onboard charging device, supplying power directly and safely to the vehicle's battery. The DC charger is external to the vehicle and therefore not constrained in size or cost. DC rapid chargers use three-phase power, and have smart technology, enabling them to adjust the charge level to suit the battery state or charger (SOC). DC rapid chargers can charge up to 360kWp/h depending on the EV charge point capacity. This makes DC charging best for attracting passing EV drivers, improving rapid charging network availability, fleet charging, short-stay parking, hotel meeting venues, EV service centers, and hospitals.

# HOW AC VS DC CHARGERS WORK




The main difference between AC and DC charging is where the conversion happens. No matter whether an EV uses an AC or DC charging station, the EV's battery will still only store DC energy.

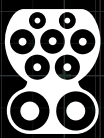
When you use a DC charging station, the conversion from AC to DC happens within the charging station, thus allowing the DC power to flow directly from the station and into the battery. As the conversion process happens within a more spacious charging station and not the EV, larger converters can be used to convert AC power from the grid very quickly. Whereas with an AC charger it is converted to DC when charging an electric vehicle, instead of being converted in the charging station it is converted inside the vehicle via the onboard charger.

## EV PLUG TYPES

Unlike traditional internal combustion engined cars that all use similar filler nozzles to receive their fill of fuel, with electric cars there are at least four different plugs types, with various manufacturers committed to one or even two variations, so it's important to know your vehicle plug types. For AC charging there are two types of plugs you need to know, these are known as Type 1 & Type 2 plugs. For DC charging there are also two types of plugs you need to know, these are known as CCS & CHAdeMO plugs.

TYPE 1
(AC PLUG TYPE)

TYPE 2
(AC PLUG TYPE)



CCS
(DC PLUG TYPE)

CHADEMO
(DC PLUG TYPE)

# 7.3KW AC RANGE


## FAST, SMART AC CHARGING

The 7.3kW charging range is a collection of single phase AC electric vehicle chargers, ideal for domestic use. Our charging units come packed with features as well as a market-leading five-year warranty.

With a compact sleek design and solar compatibility; these chargers have time shifting capabilities giving you the opportunity to save £100's per year*, a cable lock system for added security, free mobile monitoring app, and a dynamic load balancing system.

### EVA-07S-S

FAST CHARGING

### EVA-07S-SE

PRO EARTH
NO SPIKE REQUIRED

### EVA-07S-SE-RFID

RFID CONTROL

PRO EARTH
NO SPIKE REQUIRED

- SOLAR COMPATIBLE
- COMPACT DESIGN
- CABLE LOCK SYSTEM
- EUROPEAN STANDARD

## OPTIONAL ACCESSORIES

- FLOOR STAND
- PROTECTION POST
- GROUND MOUNT
- SIGNAGE



*The amount of potential savings you can save all depends on your energy provider and your set energy tariff rates.

MARKET-LEADING

# 5 YEAR WARRANTY

## BUY PROJECT EV OR BUY TWICE

All Project EV 7.3kW chargers come solar ready as standard. We have a vast collection of Pro Earth models with no earth spike required, meaning no costly installation.


**EVA-07S-SE-RFID-4G**

4G CONTROL

PRO EARTH NO SPIKE REQUIRED

**EVA-07S-PE-RFID**

TETHERED CHARGER

PRO EARTH NO SPIKE REQUIRED

## BRAND NEW ALL BLACK CHARGER DESIGN

- FAST CHARGING
- IP65 PROTECTION
- DYNAMIC LOAD MANAGEMENT
- TYPE 2 CONNECTOR

## CONTROL TYPES

- Project EV App
- Project EV Pro App
- RFID Card*

*RFID control only available on RFID charger models.

# 22KW AC RANGE

## THREE PHASE AC CHARGING

The 22W charging range is a collection of three phase AC electric vehicle chargers, ideal for domestic use. Our charging units come packed with features as well as a market-leading five-year warranty.

With a compact sleek design and solar compatibility; these chargers have time shifting capabilities giving you the opportunity to save £100's per year*, a cable lock system for added security, free mobile monitoring app, and a dynamic load balancing system.

### EVA-22S-SE-RFID

FAST CHARGING

### EVA-22S-SE-RFID-4G

4G CONTROL

## CONTROL TYPES

- Project EV App
- Project EV Pro App
- RFID Card

- PRO EARTH — NO SPIKE REQUIRED
- 5 YEAR WARRANTY
- DYNAMIC LOAD MANAGEMENT
- RFID CONTROL

## OPTIONAL ACCESSORIES

- FLOOR STAND
- PROTECTION POST
- GROUND MOUNT
- SIGNAGE

*The amount of potential savings you can save all depends on your energy provider and your set energy tariff rates.

# DUAL WALL CHARGERS

## BRAND NEW DUAL PRO EARTH CHARGERS

The Dual Wall chargers are an AC, all-black minimalist charging collection, that does not require an earth spike or costly groundwork – saving you time and money.

The unit is capable of charging one or two vehicles simultaneously, utilising the chargers split power output capabilities, both charging sockets will power your vehicle at the units full potential. This convenience is perfect for a renewable-centric family or small-scale commercial purposes.


**EVA-07D-SE-W**


**EVA-22D-SE-W**


## CONTROL TYPES

- Project EV App
- Project EV Pro App
- RFID Card

**PRO EARTH** NO SPIKE REQUIRED

**5 YEAR WARRANTY**

**MID METERING**

**FULL PROTECTION**

## OPTIONAL ACCESSORIES

- FLOOR STAND
- PROTECTION POST
- GROUND MOUNT
- SIGNAGE

# DUAL FLOOR CHARGERS


## DUAL FLOOR SMART CHARGERS

**7.3KW & 22KW**

The floor standing, Project EV dual-gun units are ideal for running small scale commercial charging. These chargers are capable of charging one or two vehicles simultaneously, utilising the chargers split power output capabilities, both charging sockets will power your vehicle at the units full potential.

The charging can be controlled through the Project EV free app, Project EV Pro app or RFID functionality.

### EVA-07D-SE-RFID

DUAL GUN PRO EARTH

### EVA-22D-SE-RFID

DUAL GUN PRO EARTH

### CONTROL TYPES

- Project EV App
- Project EV Pro App
- RFID Card

- PRO EARTH — NO SPIKE REQUIRED
- 5 YEAR WARRANTY
- MID METERING
- RFID CONTROL

## OPTIONAL ACCESSORIES

- FLOOR STAND
- PROTECTION POST
- GROUND MOUNT
- SIGNAGE

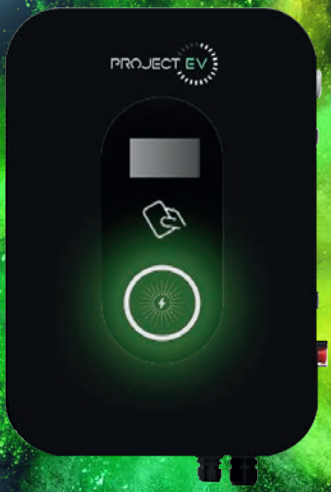
# 20KW DC CHARGER

PROJECT EV

## BRAND NEW 20KW RAPID CHARGER

The EVD-20S-P is a three-phase, commercial DC charging unit, featuring a single CCS gun.

With it's high power, it's an ideal small-scale commercial charging unit that is also compatible with our bespoke app, allowing for easy fleet and cost management - as well as being able to manage load balancing for larger scale charging across multiple vehicles.




**EVD-20S-P**

CCS CONNECTOR

- TETHERED CHARGER
- RAPID CHARGING
- COMMERCIAL CHARGING
- EUROPEAN STANDARD

## CONTROL TYPES

- Project EV App
- Project EV Pro App
- RFID Card

## OPTIONAL ACCESSORIES

- FLOOR STAND
- PROTECTION POST
- GROUND MOUNT
- SIGNAGE

# 40KW DC CHARGERS

PROJECT EV

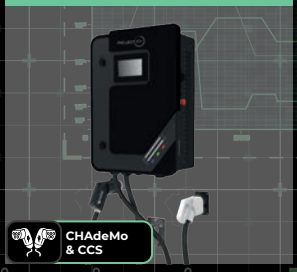

## SMART, RAPID DC CHARGING

The 40kW DC charger is a three-phase unit, packed full of features and a five-year / 30,000 hour warranty as standard.

### EVD-40S-P

CCS CONNECTOR

### EVD-40D-P-CM



CHAdeMo & CCS

### EVD-40D-P-CC

CCS x2 CONNECTOR

## CONTROL TYPES

- Project EV App
- Project EV Pro App
- RFID Card

## OPTIONAL ACCESSORIES

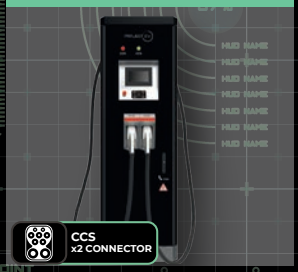
- FLOOR STAND
- PROTECTION POST
- GROUND MOUNT
- SIGNAGE

# 60KW DC CHARGERS

PROJECT EV

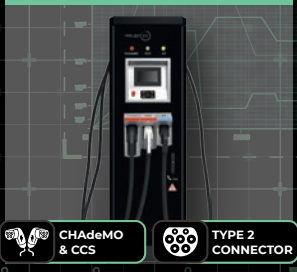

## MULTI-GUN DC RAPID CHARGING

### EVD-60D-CC



CCS x2 CONNECTOR

### EVC-AC22S/DC60D



CHAdeMO & CCS

TYPE 2 CONNECTOR

## CONTROL TYPES

- Project EV App
- Project EV Pro App
- RFID Card

- 5 YEAR / 30,000 HOUR WARRANTY
- SPLIT POWER OUTPUT
- INTEGRATED RCBO ISOLATION
- EUROPEAN STANDARD

## OPTIONAL ACCESSORIES

- ADDITIONAL RFID CARDS
- PROTECTION POST
- BRANDING AVAILABLE
- SIGNAGE

# 150KW DC CHARGERS

PROJECT EV

## ULTRA RAPID DC CHARGING

The 150kW range is a collection of ultra rapid three-phase, commercial DC charging units.

With the 150kW's high power, the charger is ideal for commercial charging. Compatible with our bespoke Project EV app, the unit can be easily used for fleet and cost management - as well as being able to manage load balancing for larger scale charging across multiple vehicles.


### EVD-150D DC

- CCS x2 CONNECTOR

### EVC-AC44D/DC150D

- CCS x2 CONNECTOR
- TYPE 2 x2 CONNECTOR

### CONTROL TYPES

- Project EV App
- Project EV Pro App
- RFID Card

- 5 YEAR / 30,000 HOUR WARRANTY
- SPLIT POWER OUTPUT
- ULTRA RAPID CHARGING
- EUROPEAN STANDARD

## OPTIONAL ACCESSORIES

- ADDITIONAL RFID CARDS
- PROTECTION POST
- BRANDING AVAILABLE
- SIGNAGE

# 300KW DC CHARGERS

PROJECT EV

## ULTRA RAPID DC CHARGING

Project EV's 300kW charger is an ultra rapid three-phase, commercial DC charging unit.

With the 300kW's high power, the charger is ideal for commercial charging. Compatible with our bespoke Project EV app, the unit can be easily used for fleet and cost management - as well as being able to manage load balancing for larger scale charging across multiple vehicles.


### EVD-300D


- CCS x2 CONNECTOR
- ULTRA RAPID CHARGING
- COMMERCIAL CHARGING
- 5 YEAR / 30,000 HOUR WARRANTY

## CONTROL TYPES

- Project EV App
- Project EV Pro App
- RFID Card

## OPTIONAL ACCESSORIES

- ADDITIONAL RFID CARDS
- PROTECTION POST
- BRANDING AVAILABLE
- SIGNAGE

# NEW PROJECT EV CHARGERS COMING SOON...

## DUAL CHARGER WITH ADVERTISING SCREEN

NEW

*Available Q4 2023*

Aesthetic electric vehicle charging with integrated 46" advertising display. Utilise an EV charging station that can pay for itself through onscreen advertisements. Featuring dual charging capabilites, this electric vehicle charger is perfect for public parking application, in environments such as shopping centres, airports, train stations, and underground parking.



## MODULAR 60KW - 160KW EV RAPID CHARGER

NEW

*Available Q4 2023*

The 60-160 DC Charger takes a modular approach to commercial charging, having multiple outputs tailored to your requirements:

- 60kW EV Charger [Configurations: 1x60kW or 1x20kW, 1x40kW]
- 80kW EV Charger [Configurations: 1x80kW or 2x40kW]
- 100kW EV Charger [Configurations: 1x100kW or 1x60kW, 1x40kW]
- 120kW EV Charger [Configurations: 1x120kW or 2x60kW]
- 160kW EV Charger [Configurations: 1x160kW or 2x80kW]

## MODULAR 180KW - 360KW EV ULTRA RAPID CHARGER

NEW

*Available Q4 2023*

The 180-360 DC Charger takes a modular approach to commercial charging, having multiple outputs tailored to your requirements:

- 180kW EV Charger [Configurations: 1x180kW or 2x90kW]
- 240kW EV Charger [Configurations: 2x120kW]
- 300kW EV Charger [Configurations: 2x150kW]
- 360kW EV Charger [Configurations: 2x180kW]

# THE NEW PRO EARTH INTERFACE

PROJECT EV

## EV-PROI-125A

The new Project EV Pro Earth Interface allows you to convert any electric vehicle charge point into a Pro Earth charging unit. Our device has the ability to connect multiple charge points to one interface, granting full PEN protection across multiple charge points simultaneously.

With a market-leading five-year warranty, and IP5X protection, the Pro Earth Interface is built in a smart compact design, for convenience and ease upon installation.


- **5 YEAR WARRANTY**
- **PRO EARTH** NO SPIKE REQUIRED
- **IP5X PROTECTION**
- **MULTIPLE** CHARGE CONNECTION

## HOW IT WORKS:
### MULTIPLE CHARGE POINT APPLICATIONS

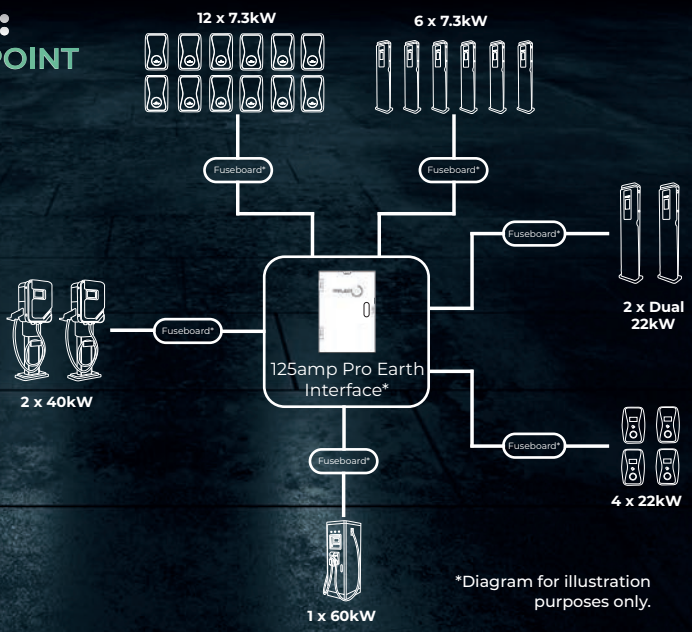




*Diagram for illustration purposes only.

# FULLY SMART APP CONTROL

## The Project EV App


- Power flow management
- Load balancing feature
- Multiple mode control
  (via app, plug and go, RFID swipe card)
- Charging inventory list for one or multiple chargers registered

## DOWNLOAD THE FREE APP TODAY

Download on the App Store

ANDROID APP ON Google play

***The Project EV Free App allows for full remote control, from anywhere.***

With our bespoke app, you can remotely set your charger or chargers to only provide power during off-peak hours, allowing for charging at a much lower energy tariff, saving you money. You can also add and manage multiple accounts on a single app, allowing for all users of a vehicle to have control over it's charging state. The same can be done for multiple chargers, which can be linked to a single app account to streamline control and simplify the process for the user. Our simple, intuitive UI means seamless guiding through multiple charging modes and time settings.

- Manage and add multiple charge points to one master account
- Solar charging option

# FULLY SMART PUBLIC CHARGING MANAGEMENT

## The Project EV Pro App

- Create RFID tags for charger operation
- Multiple, easy payment methods
- Revenue & expenses analysis: daily, monthly, and yearly
- Redeem voucher codes

## DOWNLOAD THE PRO APP TODAY

Download on the App Store

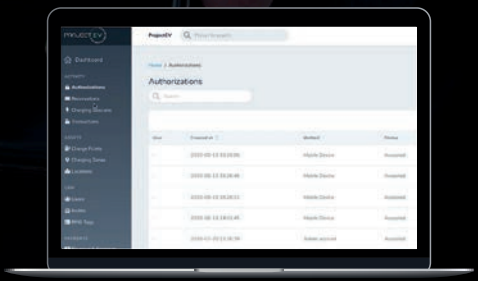
ANDROID APP ON Google play

## CONTROL EVERYTHING

The Project EV Pro App is a unique EV charging platform, providing you the ability to utilise public charging capabilities. Manage and control multiple chargers - and generate a fluid revenue stream.

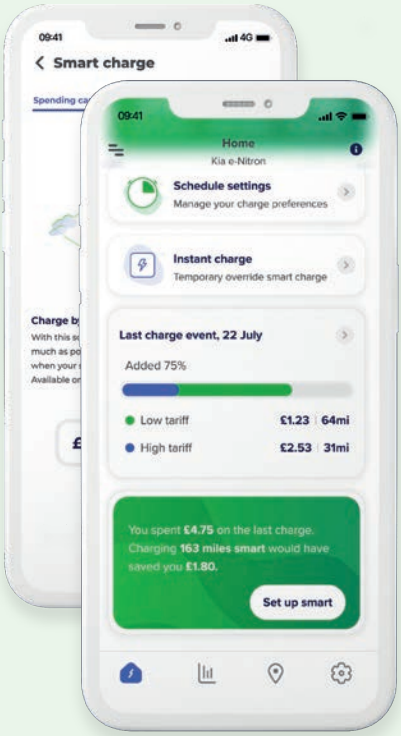
The Project EV Pro App dashboard is intuitive and user-friendly, allowing you to monitor your charger activity, and review data and analytics to discover new revenue opportunities.

With our RFID function you can assign your staff a designated charging tag, creating a simple workplace charging scheme with the swipe of a card - allowing for more efficient monitoring of expenses costs.



Electric Miles

# The Electric Miles app for everyday charging ease




## Charge now

Instantly charge your car, as much as you want, whenever you want to based on energy, cost or duration.

## Smart charge

Set your car to charge smart the way you like it. Choose between several charging types. This includes charging by off-peak hours or by setting a spending cap to have your car charged on time.

## Battery Level

Read the state of charge of your battery real time for supported car manufactures.

## History & Map Service

View how, when and by how much you've charged your car and find public charge points near you.

GET IT ON Google Play

Download on the App Store

www.electricmiles.co.uk

* Keep an eye on the Electric Miles website and app store listings for the current feature set.

# EV CHARGERS FOR NEWBIES

A glossary of terms for those joining the EV revolution.

**Pro Earth**

Pro-Earth chargers, which do not require an earth spike to detect the loss of neutral. Instead, this process is completed internally with a PEN fault detection device.

**RFID**

Radio-frequency identification for touch and charge.

**OCPP**

Open Charge Point Protocol. Meaning it's connected to the nationwide network of EV chargers.

**Dynamic load management**

Power is evenly distributed so that multiple cars are charged at the same rate when charging simultaneously, and that - when there's sufficient capacity - charging happens at full volume.

**Cable lock system**

Cable lock is unique to the Project EV range of untethered EV charge points. It's the best of both worlds as it allows the user to lock their gun in the charge point, making it tethered for convenience - with the ability to unlock for safety and security when required.

**Type 2**

AC, variable speed charge point plug for anywhere from 3 - 43kW

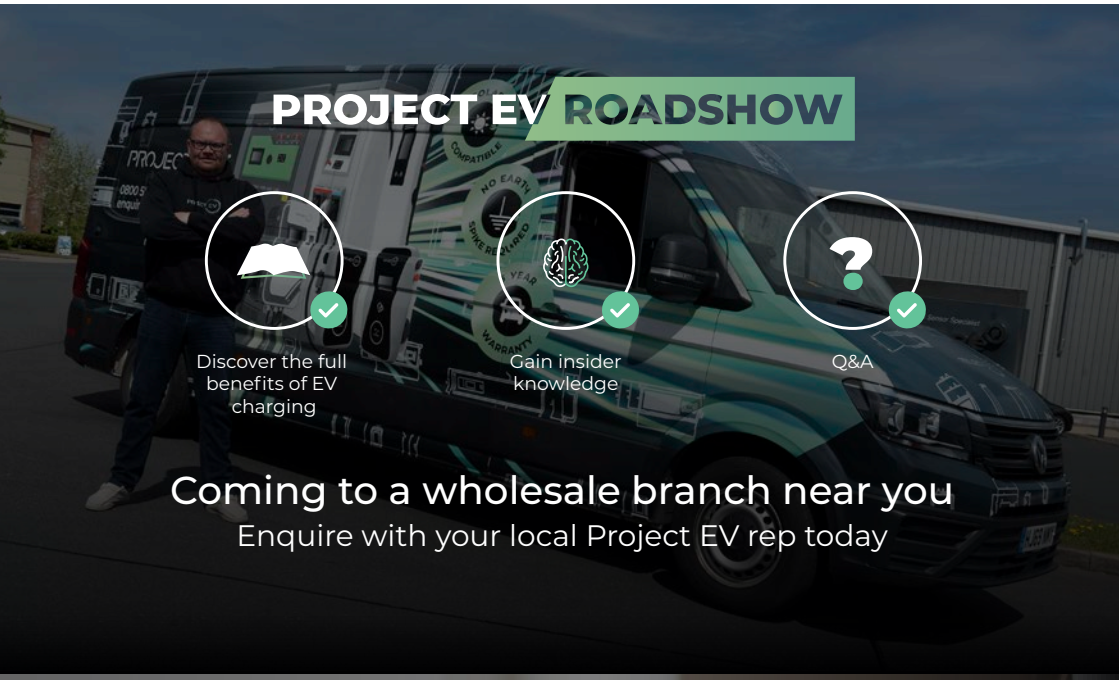
**CCS**

20 - 350kW rapid charging plug, used mostly for fleet charging.

**CHAdeMO**

20 - 60kW rapid charging plug, used mostly for fleet charging.

# WANT TO LEARN MORE?




## SIGN-UP TO THE FREE PROJECT EV TRAINING WEBINARS

Project EV have two bespoke monthly webinar sessions, one covering sales training, the other covering technical installation training, which can be viewed live or watched at a later date. All you have to do is sign-up to the session that best suits your interests.

A great opportunity to learn everything about Project EV!
Find out more on our socials

projectev.co.uk

*Information correct as of 04/22