

# A one stop shop for the rise of electric vehicles

National Energy Direct  
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# Electronic vehicle use is on the rise.

## **A One-Stop Shop for the Rise of Electric Vehicles.**

National Energy Direct is a fully accredited multi utility connections company working nationwide across England, Scotland and Wales. We're offering a one-stop shop service for implementing electric vehicle charging for domestic properties, business premises or large roll out of EV charging stations for commercial parks. From the installation of new electricity mains to the designing and installation of the charging stations themselves, you can count on us to prepare your business for the rise of electric vehicles.



# EV: Cars for the Future

**Did you know that by 2040 there are expected to be 36 million electric vehicles on the road?**

Since the recent government announcement of a ban on the sale of all new diesel and petrol cars from 2035, the vehicle industry is undergoing one of the largest transitions it has ever seen.

**Electric vehicles (EV)** are already on the rise and will only continue to surge in popularity when the ban comes into force.

Over the next few years, more and more drivers will be seeking out locations where they can charge their EVs which is why it's so important to make sure you're fully equipped for the future by installing EV provisions.

# Apartment Installations

If you're looking to install EV provisions in your apartment complex, National Energy Direct has the solution for you. With a power rating ranging between 3kW to 7.3kW, the choice of floor standing and wall mounted chargers and two installation options available, you have a choice on how the entire charging process works.

## Apartment Complex Option

With this option, each charging supply comes from individual apartments to dedicated parking spaces. The chargers themselves would be locked and only accessible by the owners.

## Multi Communal Charging Option

With this option, a feed would come from a single meter belonging to the landlord and split out to multiple EV chargers with a pay-as-you-go setup for visitors. As the consumption of communal charging comes from the landlord's supply, there is a potential for revenue generation with an energy mark-up option.







# Commercial Charging

Are you looking to upgrade your business property with EV charging? National Energy Direct offers EV charging installations for both workplaces and public spaces.

## Workplace Charging

Your business could offer 7kW to 22kW charging points for staff with the potential for faster charging for those who commute longer distances. Typically, business units benefit from double sockets, making it possible to charge two vehicles at once.

Businesses can also reap the benefits of the Workplace Charging Scheme, an incentive programme designed to make the cost of purchasing and installing EV charging more affordable. The scheme offers a 75% reduction with a grant of up to £14,000. There is a cap of £350 on each charging point available for a maximum of 40 charging points.

## Public Charging

Public chargers are usually installed on motorways, services and near major roads with extra powerful charging of 50kW DC, making a full charge possible in as little as twenty minutes.

# Charging Speeds

At National Energy Direct, we offer a range of chargers with different powers and speeds making them suitable for different types of properties.

Our **trickle/slow chargers** are available for **homes only**.

**Sizes:**

Up to 3.5kW

**Necessary Connection:**

1ph 16 amp

**Load Allowance:**

None if connected to house, 3.5 KVA if not.

**Time Taken to Charge 20 miles:**

90 minutes

**Range added per 10 mins of charging:**

2.5 miles

Our **fast chargers** are available for both **homes** and **communal** charging.

**Sizes:**

7kW / 11kW / 22kW

**Connection:**

1ph 13 amp / 3ph 16 amp / 3ph 32 amp

**Load Allowance:**

7kW / 11kW / 22kW - If 10+ are installed, 90% diversity can be applied

**Time Taken to Charge 20 miles:**

7kW 45 minutes / 22kW 15 minutes

**Range added per 10 mins of charging:**

7kW 4 miles / 22kW 13 miles

Our **rapid chargers** are available for both **communal** and **public** charging.

**Size:**

50kW

**Connection:**

3 phase 100amp 69kVA

**Load Allowance:**

63-80KVA

**Time Taken to Charge 20 miles:**

7 minutes

**Range added per 10 mins of charging:**

30 miles

Our **ultra fast** chargers are available for **public charging**.

**Sizes:**

150kW / 350kW

**Connection:**

3 phase LV

**Load Allowance:**

Bespoke

**Time Taken to Charge 20 miles:**

350kW 1 minute

**Range added per 10 mins of charging:**

350kW 210 miles



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**Talk to us**

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