

**APPLICATION FOR  
A NEW ELECTRICITY CONNECTION  
or MODIFICATION OF AN  
EXISTING CONNECTION**

FOR WORKS OVER 70kVA



Completing this form accurately will help us to process your application as quickly as possible. All Applicants must complete Sections A & B. Depending on the type of service you require from us as identified in section B you should then complete all other relevant sections.

**LOW CARBON TECHNOLOGY ONLY**

If you are only installing generation or storage please complete the relevant Energy Networks Association (ENA) application form which can be found on our website [www.ukpowernetworks.co.uk](http://www.ukpowernetworks.co.uk) on our distributed generation pages or on the ENA's website [www.energynetworks.org](http://www.energynetworks.org)

**NEW DEVELOPMENTS THAT INCLUDES LOW CARBON TECHNOLOGIES**

If your development includes any low carbon technology such as generation, storage, heatpumps or electric vehicle charge points you should complete this form, but you may also be required to provide additional information/complete parts of other application forms.

**DID YOU KNOW YOU HAVE A CHOICE?**

You can get a competitive quote from an Independent Connections Provider (ICP) for your electricity connection.

We can provide you with a complete connection service but you may also ask an ICP or an Independent Distribution Network Operator (IDNO) to undertake some of the works, these are known as the 'contestable works'.

Find out more on our website **[www.ukpowernetworks.co.uk](http://www.ukpowernetworks.co.uk)** under Competition in Connections.

**Fields in red are mandatory**

**Complete this form:**



**Email:** [connections.gateway@ukpowernetworks.co.uk](mailto:connections.gateway@ukpowernetworks.co.uk)



**By post:** Connections Gateway, UK Power Networks, Borehamwood Studios, Unit 5, York Way, Borehamwood, Hertfordshire WD6 1DJ

## Section A: Tell us your details

### A1. YOUR DETAILS (the Applicant)

Details of the person making this application and to whom we will issue a budget estimate or quotation (we will consider you to be the Applicant). The Applicant will also receive any payments due under our guaranteed standards of performance during the 'estimate and quotation' stage of your application. The Applicant MUST also sign and complete Section L.

Title	First name	Last name
Company (if applicable)	UK Power Networks account number	
House no. or Building name	Street name	
Town/City	County	Postcode
Telephone	Mobile	
Email		

Where your application is for a capacity greater than 1MVA, if not the applicant, please indicate to whom the invoice for up-front assessment and design charges should be sent.

Title	First name	Last name
Company (if applicable)	House no. or Building name	
Street name	Town/City	
County	Postcode	Telephone
Mobile	Email	

### A2. AUTHORISED REPRESENTATIVE'S DETAILS (If you complete this, we will deal with this person's instructions as if they are your own.)

Title	First name	Last name
Company	Telephone	
Mobile	Email	
Tick if this person is the main contact		



### A3. SITE ADDRESS (if different from your contact details above)

House no. Building name

Street name

Town/City

County

Postcode

What3Words location

**Have you had a connection offer for this site before?** Yes No

If yes, can you please provide the reference number

## Section B: Tell us about your development/proposals

(For example; new housing development comprising 10 flats, 100 houses (PV on rooftops) and 30 EV charge points or mixed development comprising 30 flats and 4 retail units.)



Any questions? Call 0800 029 4282 Mon - Fri, 8.30am - 5pm

## Section C: Tell us which service/(s) you would like

Please indicate which type of service you need from us (please tick all that apply)

### Change to/modification of an existing connection (i.e. upgrade/downgrade ADMD).

Please complete sections; A, B, C, D, E and L. In addition please complete the following if applicable to your project; I and K.

Existing service capacity kVA/kW	New capacity kVA/kW
-------------------------------------	------------------------

#### Existing 13-digit Meter Point Administration Number MPAN:

(this can be found on your electricity bill and will start with a 10, 12 or 19)

If adding any low carbon technology to an existing site please use the relevant ENA form eg. G98, G99 or HP & EV application form (details of the relevant form can be found in section H below).

### New connection

Total number of connections required

Please complete sections; A, B, C, D, E and L. In addition please complete the following if applicable to your project; I and K.

### Temporary connection

Capacity required for the temporary connection

kVA

Please complete sections; A, B, C, D, E and L. In addition please complete the following if applicable to your project; I and K.

single phase      three phase

### Diversion work

(this is an alteration or diversion of electricity cables, overhead lines or substations)

Please complete sections; A, B, C, D, F and J. In addition please complete the following if applicable to your project; I and H.

### Nature of supply enquiry

Please complete sections; A, B and K.

### Intending to self-determine a Point of Connection – No Quotation required

Please complete sections; A, B, C, D, E and K.

Please indicate additional works associated with this project

### Disconnection

Please provide MPAN(s)

### Unmetered connection

(e.g. Streetlights) Please provide details

Please use section K to provide additional information



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## Section D: Tell us which type of quotation you would like (please select one)

### 1 Budget estimate

We will provide you with a budget estimate that sets out a typical price for the works that may be required. However this is based on a desktop assessment only without any site specific conditions being taken into account. It may vary considerably from a formal connection offer. It is not capable of acceptance and does not secure any network capacity. A budget estimate is provided, free of charge.

### 2 Formal quotation

We will provide you with a connection offer that sets out the price for UK Power Networks to complete all of the connection works and alternative options. This will include;

**Option A** – UK Power Networks carries out all of the requested ‘contestable’ and ‘non-contestable’ works required for your connection

**Option B** – UK Power Networks carries out all the ‘non-contestable’ work and the ‘contestable closing joint’. The ICP carries out all other requested ‘contestable’ work

**Option C** – UK Power Networks carries out the ‘non-contestable’ works only. The ICP carries out all of the works classified as ‘contestable’

### 3 A non-contestable only connection offer

We can provide a connection offer for UK Power Networks only completing the non-contestable connection works, so that an ICP or IDNO can be appointed to undertake the design and construction of the contestable works.

When selecting this option please indicate if you are using;

i) an ICP (and that UK Power Networks will be required to adopt the completed work) please tick here

OR

ii) If you will be appointing an IDNO, please tick here

All connection offers will be issued by email, if you would like a copy by post please tick here.

## Section E: Tell us what type of connection you would like

**Unconstrained** – the connection is available for use 24hrs/day 365 days/year and is not constrained.

**Constrained** – a constrained connection could be available quicker than an unconstrained connection and suitable where an earlier connection is required. Examples of constrained connection include Flexible / DERM connections, Ramped Connections, or Timed / Profiled Connections. If you want to know more about these please see our website.

### TELL US WHAT LEVEL OF SECURITY YOU WOULD LIKE (FOR GUIDANCE REFER TO INFORMATION SHEET)

Single circuit

Dual circuit from same source substation

Dual circuit from different source substation

Other, please specify



## Section F: Construction (Design and Management) (CDM) Regulations 2015

**Please confirm the appointment of any Principal Contractor and Principal Designer as required by the CDM Regs 2015.** (For guidance on CDM please go to [www.hse.gov.uk](http://www.hse.gov.uk))

Principal Contractor name

Company name

Address

Postcode

Telephone

Mobile

Email

Principal Designer name

Company name

Address

Postcode

Telephone

Mobile

Email

## Section G: Tell us about the electrical requirements of your site

Depending on your project, there may be a requirement to install a substation on your site. Our design team will discuss this with you in more detail but it would be helpful at this stage if you could indicate a preferred location on a plan (explained in section H).

Please complete the section(s) which best match your project:

**Is your site Domestic**   Yes   No   **and/or Commercial/Industrial**   Yes   No

a) **DOMESTIC** – Please complete this table

Type of property (eg. house or flat)	No. of bedrooms	No. of properties	Load required per property
			kVA
<b>Total requested capacity</b>			<b>kVA</b>

How will the property be heated   Gas   Electric   CHP   Other



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b) **COMMERCIAL** – Please complete this table

Type of property (eg. office, industrial, warehouse unit)	No. of metering points	Load required per metering point
		kVA
Maximum power required (after diversity)		kVA

How will the property be heated      Gas      Electric      CHP      Other

c) How many meters do you need to connect?

d) Are landlord connections required?      Yes      No

How many landlord's connections are required?

Capacity for the landlord's connections

The landlord's connection is      single phase      three phase

e) Please confirm the total capacity requirement for the site (These figures should include any totals for subsequent sections of this form and/or relevant parts of other forms and we will use these figures to determine the most appropriate solution)

import kVA

export kW

f) When do you need your power connected? (Give an idea of your anticipated timescales)

Month      Year

g) Are you installing any low carbon technology as part of your development? Yes      No      (If yes please complete Section H)

If electric, please provide the space or water heating demand per property

## Section H: Tell us about any low carbon technologies

Such as generation, storage, heat pumps or EVCP being installed as part of your development

**Please indicate which low carbon technologies you are installing as part of your development (tick all that apply)**

Generation

Storage

Heat Pumps

Electric vehicle charging points

Other

**Please also complete relevant ENA generation application forms (technical sections only) as below, and submit with this form.**

- Individual installations <3.68kW use G98 Form B
- Multiple installations <3.68kW use G98 Form A
- Individual and multiple installations >3.68kW <50kW use G99 Form A1-1
- Individual and multiple installations >50kW use G99 standard application form (SAF) part 3 only. Parts 4 and 5 may subsequently be required



## H1. GENERATION AND STORAGE

### Please confirm the type of generation being installed

Biomass      Fossil brown coal/lignite      Fossil coal-derived gas      Fossil gas      Fossil hard coal  
Fossil oil      Fossil oil shale      Fossil peat      Geothermal      Hydro pumped storage  
Hydro run-of-river and poundage      Hydro water reservoir      Marine      Nuclear      Other renewable  
Solar      Waste      Wind offshore      Wind onshore      Other battery – storage      Other – storage not battery  
Other

## H2. HEAT PUMPS

You may complete this section or alternatively append a completed ENA form with this application.

### Power Quality Declaration – Heat Pumps Only<sup>†</sup>

#### Heat Pump Manufacturer

#### Heat Pump Model

#### How will the Heat Pump be used? (please tick one of the options)

The heat pump model state will provide HEATING ONLY  
The heat pump model state will provide HEATING & COOLING

#### Does the Heat Pump have additional components installed?

Back-up heater – on-board      Back-up heater – external      Booster heater – on-board  
Booster heater – external      Immersion heater – on-board      Immersion heater – external

#### Is this model in the ENA Heat Pump Type Register Database and is the information in the Database correct?

See register in database found in the second paragraph under "Processes & Forms" on the ENA website [here](#). If yes, please proceed to 'Declaration'.

Yes – register No.      No

#### If 'No' please fill in the following additional Power Quality details required for non-registered Heat Pump Models.

#### Datasheet and other Power Quality documentation for the Heat Pump attached to this application?

Yes      No

Must be provided. It is the installer's responsibility to ensure all information required to populate the Heat Pump Type Register Database is provided.

#### Does the installation meet the Microgeneration Certificate scheme Product requirements?

Yes      No

#### Harmonics

Does the proposed installation comply with the technical requirements of BS EN/IEC 61000-3-2?

Yes      No

#### Harmonics

Does the proposed installation comply with BS EN/IEC 61000-3-12?

Yes      No

#### Flicker

Does the proposed installation comply with the technical requirements of BS EN/IEC 611000-3-3?

Yes      No

#### Flicker

Does the proposed installation comply with BS EN/IEC 61000-3-11?

Yes      No

<sup>†</sup>Please refer to the Manufacturers Declaration of Conformity, device type test certificate and datasheet. If using the multiple installations spreadsheet, the confirmation of standards compliance should refer to the whole installation, i.e. at the point of common coupling.

\*<https://www.microgenerationcertification.org/mcs-standards/product-standards/heat-pumps/>



## **Declaration**

I confirm that the information I have given in this form is true to the best of my knowledge for the electrical installation noted above. The customer at the above address has been advised that commissioning of the installation may only take place when the Network Operator has completed any reinforcement works the supply network requires.

### **H3. ELECTRIC VEHICLE CHARGING POINTS (EVCP)**

- You should only be completing this section if a new Electric vehicle charging point connection is required.**
- If you are applying to connect to an existing electricity connection and you are installing a 'SMART' charger you may use the HP-EV ENA form.**
- If you are applying to connect to an existing electricity connection and you are installing a 'V2G' (vehicle to grid) charger you should use the relevant ENA Generation Application Form G98/G99. A V2G charger can export electricity to the grid as well as import electricity to charge the electric vehicle.**

#### **Is this application for a single EVCP**

Yes – please continue

No – please continue and complete table at the bottom of this section

#### **Location of electric vehicle charging points**

Address

Postcode

OS ref Easting

OS ref Northing

#### **Is your charging point:**

Urban      Suburban      Rural

#### **Location description – please select one from the following:**

Trunk Road	Motorway services	Residential on-street	Residential off-street	Local commercial
Supermarket/outlet car park	Public car park	Park & ride	Train station	Religious building
Health	Leisure	Hotel/accommodation	Work/business park/industrial	Health Depot/fleet

#### **What type of charge points are you installing?**

V2G      SMART

#### **Please specify charging modes**

Mode 1      Mode 2      Mode 3      Mode 4

Rating of electric vehicle charging point(s)

Make/manufacturer name of electric vehicle charging point



If installing more than 1, please fill in the table below

Address	Postcode	Easting	Northing	Location description from list above	Rating (kW)	Make/manufacturer	Model
					kW		
					kW		
					kW		
					kW		
					kW		

Before you submit your application, please ensure that you have enclosed the following information which will allow us to process your application as quickly as possible:

1. Plan showing the location of each connection
  2. Plan showing the site layout (if applicable)
- (Examples are shown on the last page)

## Section I: Tell us about any Motors or other disturbing loads

Some types of load can disturb our electricity network. Please provide details of any air conditioning, fuel or heat pumps, lifts, motors, refrigeration, welders or other industrial machinery. If the electrical characteristics are unknown please refer to the manufacturer or the equipment installer.

Please use the following conversions as a guide: 4 amps = 1 kilowatt or 1 kilowatt = 1.1kVA

Are there any motors or disturbing loads? Yes No (if yes please complete the table below)

Type of appliance (e.g. motor, welder, heat pump, wind turbine)	Rating of appliance	How often will the appliance be started in one hour?	Single or three phase?	Starting method (Star Delta, Direct On Line, Soft start)	Starting current
	kW				amps
	kW				amps
	kW				amps
	kW				amps
	kW				amps

## Section J: Tell us about your Diversion works

If applying for diversion work please provide a full description of the work that you propose to carry out.

- Please detail whether you require the diversion of electricity cables, overhead lines or substations.
- Please send us detailed plans of your works to allow us to identify the impact on our electricity assets.

**What is the planned start date for your work?**



Any questions? Call 0800 029 4282 Mon - Fri, 8.30am - 5pm

## Section K: Tell us any additional information

Please provide any additional information that you think will help us process your application.

E.g. any details of land ownership, planning constraints, site hazards or areas of contamination.

## Section L: Check you've provided everything

Before you submit your application, please ensure that you have enclosed the following information which will allow us to process your application as quickly as possible:

1. Plan showing the site location
2. Plan showing the site layout
3. Letter of Authority for your site

Examples are shown on the last page of this document

**THE APPLICANT MUST SIGN THIS SECTION (THE PERSON NAMED IN SECTION A1)**

Signature of Applicant

Date

Print name

Acting on behalf of company name

We are committed to protecting and respecting your policy. The information you provide will not be used for marketing purposes but we work with two research organisations, Rant & Rave and Explain Research who may contact you for feedback about our service. Your feedback is shared with us and Ofgem, our regulator. We will not sell or pass on your information to any other third party for any purpose. For more information on how we will treat your personal data, please read our [privacy policy](#).

*Thank you for your application*



Any questions? Call **0800 029 4282** Mon - Fri, 8.30am - 5pm

# Plan examples

## 1. PLAN SHOWING THE SITE LOCATION

### What is this?

A map showing us where your site is so we can accurately assess your requirements.

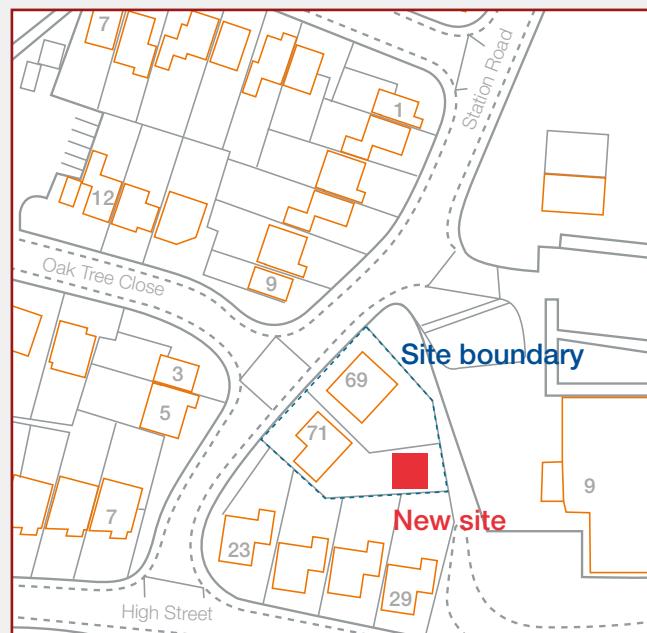
### What should the map show?

- the site location in relation to the surrounding area
- which roads are closest to the site
- the site boundary

### Where to find one

Location plans can be found by using street maps or via internet sites such as:

- Googlemaps
- Ordnance Survey
- Multimap



## 2. PLAN SHOWING THE SITE LAYOUT

### What is this?

A scaled plan showing us the layout of the site and the ground floor layout of any buildings. Please make sure you provide us with an appropriate sized plan.

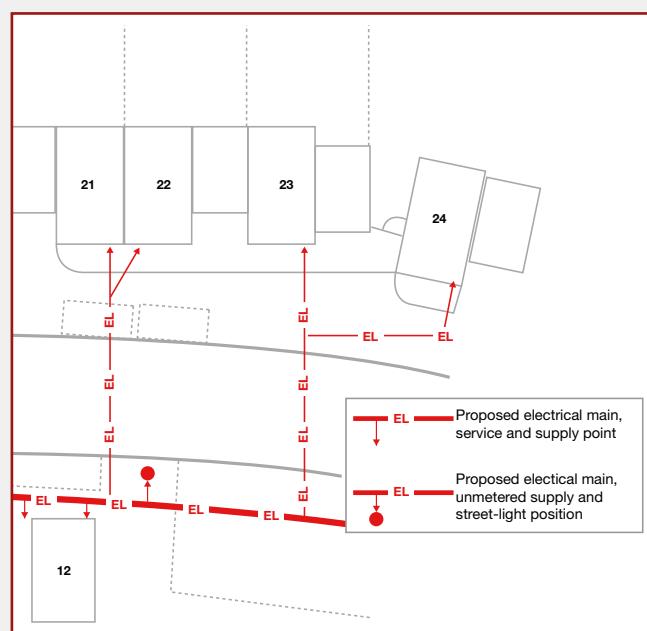
The size we require will depend on the size of your development but it should be no smaller than A3.

### Where to find one

If you have an architect working on your project, they will be able to provide this. If you haven't an architect please send a detailed location plan showing the details (below).

### What should the plan show?

- the layout of the development
- any footpaths, roads or access routes
- where you'd prefer the electricity cable entering the building
- your proposed duct and cable route
- any existing service routes (if known)
- where you'd like the electricity meter positioned (internal or external)
- the site boundary
- any buildings that will be demolished
- proposed location of any new street-lights
- location of any EV charge points



- depending on your project, there may be a requirement to install a substation on your site. Our design team will discuss this with you in more detail but it would be helpful at this stage if you could indicate a preferred location on a plan
- which outside wall will you be installing your meter box.