



Application Form for the Installation of Low Carbon Technologies

Please submit your completed application form to:
**Northern Powergrid, Network Connections, Alix House,
Falcon Court, Stockton-on-Tees, TS18 3TU**

If you need any help to complete this form please contact us:
getconnected@northernpowergrid.com
0800 011 3433

Opening hours:
Monday - Friday 8:00am - 8:00pm
Saturday 9:00am - 5:00pm

HELPING YOU FILL IN THIS FORM

If you need any assistance completing this form, please call us on **0800 011 3433**.

This application form must be completed and sent by the installer to Northern Powergrid directly when installing an Electric Vehicle Charging Point or Heat Pump. This form should be used for premises with an existing electrical connection. For new connections, this form should be used in addition to a new electricity connection application form. To ensure the safety and security of the Electricity Networks, depending on the size, type and location of the installation, you may need to apply for a connection prior to installation of the device.

To determine if you need to apply for a connection prior to installation or not, please ensure you read and understand the connection processes for Electric Vehicles and Heat Pumps on the ENA website

<http://www.energynetworks.org/electricity/futures/electric-vehicles-and-heat-pumps.html>

Please note that:

- One form must be submitted per device per premises. For multiple devices (including multiple devices under one controller) or multiple premises, please use the multiple installations spreadsheet, also available on the ENA website or our website.
- An 'adequacy of the supply' assessment is required prior to any Electric Vehicle Charge Point or Heat Pump installation. This requires a load survey to calculate the new Maximum Demand (MD), including the device to be installed
- Northern Powergrid must be contacted in advance of installation where there is an identified issue with adequacy or safety concern with the premises existing service equipment, where the new MD is greater than the cut-out rating, where the new MD is >60A (13.8kVA single phase) for residential premises or the devices do not meet the required standards*. Depending on the size and/or number of devices being connected, we may ask for additional information to be supplied.
- In certain circumstances, for example if the total MD of the premises is $\leq 60A$ and adequacy of the connection is known* Northern Powergrid must be notified within 28 days of the installation
- Any reinforcement costs associated with this installation may be recharged to the customer

Providing that this form is fully and correctly completed, the following timeframes are applicable:

- Premises with new MD $\leq 60A$ and meeting all other relevant requirements* - Installers can connect their device(s) and shall notify the DNO by filling in this form within 28 days of the installation
- Premises with new MD between 60A and 100A inclusive (and not CT metered) - the installer must apply for a connection prior to installation by filling in this form and the DNO will assess the supply capacity within 10 working days
- Premises with new MD >100A (and not CT metered) - the installer must apply for a connection prior to installation by filling in this form. Timescales as per the Electricity (Connections Guaranteed Standards of Performance) Regulations 2015

* All devices must comply with the process described on the ENA website here: <http://www.energynetworks.org/electricity/futures/electric-vehicles-and-heat-pumps.html>

Installer Contact Details

Installer Contact Details	
Name	
Company	
Address line 1	
Address line 2	
Town	
Postcode	
Contact Number	
Email	
Customer Contact Details	
Name	
Address line 1	
Address line 2	
Town	
Postcode	
Contact Number	
Installation Location Address (if different from Customer Address)	
Name	
Address line 1	
Address line 2	
Town	
Postcode	
Contact Number	
Electrical Installation Details	
Type of Installation Please note that one technology per form should be used	<input type="checkbox"/> Electric Vehicle Charge Point <input type="checkbox"/> Heat Pump
MPAN (11 digit MPRN if Northern Ireland) See http://www.energynetworks.org/electricity/futures/electric-vehicles-and-heat-pumps.html for details. If the supply is unmetered, the 'Apply to Connect' process is applicable and the local DNO must be contacted.	- - - - -
Number of Phases	<input type="checkbox"/> Single Phase <input type="checkbox"/> Split/two Phase <input type="checkbox"/> Three Phase
Declared Voltage at Connection Point Volts
Maximum Demand (MD) of premises (applicable to whole current metered premises only) Including proposed installation, concluded from a Load Survey, as well as any import or load limiting devices. Amps (per phase)
Maximum Demand (MD) of premises (applicable to CT metered premises only) Including proposed installation, concluded from a Load Survey, as well as any import or load limiting devices. kVA

Application Form for the Installation of Low Carbon Technologies V022019

Does this premises include an import or load limiting device?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Maximum Current Demand the proposed EV/HP can draw Include any associated immersion elements. The maximum simultaneous demand must be stated [†] . Additional equipment/reconfiguration not included in this application is not permitted after installation	<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> Amps </div> <div style="width: 35%;"> <input type="checkbox"/> Single Phase <input type="checkbox"/> Three Phase </div> </div>
Has the DNO been contacted about this installation and confirmed the Premises Supply Capacity? Essential if <u>new</u> MD >60A. Tick one as appropriate	<input type="checkbox"/> Yes – Reference Number / Date, if applicable: Supply Capacity: (whole current meter only)A, or Agreed Capacity (CT meter only)kVA <input type="checkbox"/> No
Premises Cut-out Rating* (whole current meter only) If known. See ENA website for guidance. Amps
Premises Existing Agreed Maximum Import Capacity (CT metered only) KVA
Final or Proposed Earthing Arrangements as per BS 7671 and the IET Code of Practice: https://www.theiet.org/resources/standards/cop-electric.cfm	<input type="checkbox"/> TN-C-S (PME) <input type="checkbox"/> TN-S (SNE) <input type="checkbox"/> TT (Direct) <input type="checkbox"/> Customer Substation (HV CT metered)
Is the service looped? (applicable to whole current metered premises only) Tick one as appropriate	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't know
Type of installation Tick one as appropriate	<input type="checkbox"/> Domestic <input type="checkbox"/> Non-domestic <input type="checkbox"/> Other - Please detail:
Have you identified any issues with adequacy of the existing supply equipment? Tick one as appropriate	<input type="checkbox"/> Yes - Please detail: <input type="checkbox"/> No
Date of Installation (if 'connect and notify' applicable) DD/MM/YYYY

[†] The installer must ensure no other parallel devices can run simultaneously. If the installation is one controller but multiple devices, please use the multiple installations spreadsheet

* If the cut-out rating is unknown or uncertain, it can be established by raising an enquiry with the DNO. If the supply capacity still cannot be established, the 'Apply to Connect' process must be followed and the aforementioned timeframes are applicable. Please note that one should not open the cut out. Guidance on cut-out ratings is available on the ENA website. If the cut-out rating is unknown, a picture can be provided to the DNO.

Application Form for the Installation of Low Carbon Technologies V022019

Power Quality Declaration - Heat Pumps Only[†]

Heat Pump Manufacturer	
Heat Pump Model	
How will the Heat Pump be used? Please tick one of the following options	<input type="checkbox"/> The Heat Pump model stated will provide HEATING ONLY <input type="checkbox"/> The Heat Pump model stated will provide HEATING & COOLING
Does the Heat Pump have a Backup, Boost or Immersion Element installed? If yes, please provide Immersion Element rating	<input type="checkbox"/> Yes - Rating:Amps <input type="checkbox"/> No
Is this model in the ENA Heat Pump Type Register Database and is the information in the Database correct? See register http://www.enanetworks.org/assets/files/electricity/futures/Electric_Vehicles_and_Heat_Pumps/Heat_Pump_Database_mv9.xlsx if yes, please proceed to 'Declaration' section.	<input type="checkbox"/> Yes - Register No: <input type="checkbox"/> 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? <u>Must be provided.</u> It is the installer's responsibility to ensure all information required to populate the Heat Pump Type Register Database is provided.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does the installation meet the Microgeneration Certificate Scheme* Product Requirements?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Harmonics Does the proposed installation comply with the technical requirements of BS EN/IEC 61000-3-2?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Harmonics Does the proposed installation comply with BS EN/IEC 61000-3-12?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Flicker Does the proposed installation comply with the technical requirements of BS EN/IEC 61000-3-3?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Flicker Does the proposed installation comply with BS EN/IEC 61000-3-11?	<input type="checkbox"/> Yes <input type="checkbox"/> No

[†] 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.

Name		Signed		Date	
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PRIVACY POLICY FOR OUR CUSTOMERS

We will use the details you provide to process your connection request and to monitor the service we provide. Your details will be kept securely and will not be used for marketing purposes. We have an obligation to provide the results of customer satisfaction surveys on the services we provide to Ofgem, the electricity industry regulator. Therefore you may be contacted by our appointed Market Research Company to complete a brief satisfaction survey of our service delivery performance.

For further information on our privacy policy please visit www.northernpowergrid.com/privacy-policy