

ENGINEERING DESIGN STANDARD**EDS 08-5050****ELECTRIC VEHICLE CONNECTIONS****Network(s):** EPN, LPN, SPN**Summary:** This standard outlines the design requirements for the connection of electric vehicle charging point equipment to new and existing supplies.**Author:** Stephen Cuddihey**Date:** 19/03/2018**Approver:** Paul Williams**Date:** 23/03/2018

This document forms part of the Company's Integrated Business System and its requirements are mandatory throughout UK Power Networks. Departure from these requirements may only be taken with the written approval of the Director of Asset Management. If you have any queries about this document please contact the author or owner of the current version.

Circulation**UK Power Networks**

- Asset Management
- Capital Programme
- Connections
- Health & Safety
- Legal
- Network Operations
- Procurement
- Strategy & Regulation
- Technical Training

External

- UK Power Networks Services
- Contractors
- ICPs/IDNOs
- Meter Operators
- G81 Website

Revision Record

Version	2.0	Review Date	23/03/2023
Date	19/03/2018	Author	Stephen Cuddihey
<p>Reason for update: Standard revised to encompass all the electric vehicle relevant requirements and the LV network connections design standards suite in one document for ease of use in electric vehicle connections.</p> <p>What has changed:</p> <ul style="list-style-type: none"> • Supply overview section added (Section 4). • Connection requirements revised included (Section 5). • Disturbing load section updated (Section 6.3). • Disturbing load assessment form added (EDS 08-5050B). • Minor revisions to all other sections, document title revised 			
Version	1.0	Review Date	20/06/2018
Date	20/06/2017	Author	Tobi Babalola
New standard to cover electrical vehicle charge equipment installation to the distribution network			

Contents

1	Introduction	4
2	Scope	4
3	Glossary and Abbreviations	5
4	Supply Overview	6
5	Connection Requirements	7
5.1	Unmetered Connections	7
5.2	100A Single-phase Connections in the Public Highway	8
5.3	100A Three-phase Connections in the Public Highway	8
5.4	Single-phase and Three-phase Domestic Connections	9
5.5	EVCPs exceeding 7kW and Multi-Occupied Buildings.....	10
6	General Requirements	11
6.1	Installer Requirements.....	11
6.2	Earthing Arrangements.....	11
6.3	Power Quality and Disturbing Loads.....	12
6.4	Network Reinforcement Guidance for EVCPs.....	12
6.5	Diversity Guidance	13
6.6	Legal Requirements	13
6.7	Guidance on BS7671 (IET Requirements for Electrical Installation)	14
6.8	Ownership Boundaries	14
6.9	Commissioning, Energisation and Disconnection	14
7	References	15
7.1	UK Power Networks Standards	15
7.2	National Standards.....	15
	Appendix A – Notification Form Specimen	16

Figures

Figure A-1 – ENA Notification Form (Page 1).....	16
Figure A-2 – ENA Notification Form (Page 2).....	17

Tables

Table 4-1 – EVCP Supply Overview.....	6
Table 5-1 – Maximum Power Available per Fuse Rating	7
Table 6-1 – EVCP Diversity Factors.....	13

1 Introduction

This standard outlines the design requirements for the connection of electric vehicle charging point (EVCP) equipment to new and existing supplies. This standard also provides guidance on the processing of installation notification forms.

This standard is intended to be used by UK Power Networks staff, contractors, ICPs, Public Lighting Authorities, License Exempt Network Operators and customers.

This standard is intended to augment the existing LV supply and multi-occupied building design standards and, should be read in conjunction with the appropriate standards:

- For domestic single-phase supplies; refer to EDS 08-2101.
- For domestic three-phase supplies; refer to EDS 08-2100.
- For large LV, 100A and above, single customer; also refer to EDS 08-2100.
- For multi-occupied buildings, including LV and above supplied buildings, refer to EDS 08-1103.

This standard establishes the requirements for EVCP installers, including:

- Assessment of the adequacy of the supply capacity for the new electric vehicle load plus any existing load, before installation of the charging equipment.
- Assessment of the adequacy of the earthing, before installation of the charging equipment.
- Notification to the DNO of the installation once completed.

A copy of the notification form can be found in Appendix A. Notification is required within a month after the installation of an EVCP to an existing property.

EVCPs connected to unmetered supplies shall be included on an unmetered supplies inventory to UK Power Networks UMISO on a monthly basis.

2 Scope

This standard applies to EVCP supplies only; for inclusion into new supply proposals and for addition to existing supplies.

This standard is designed to work in conjunction with the LV network design standard EDS 08-2000.

This standard does not apply to IDNO EVCPs; refer to EDS 08-0113.

It shall be noted that within this standard:

- 3kW refers to a single phase EVCP not exceeding 13A at unity power factor based on a 230V nominal voltage.
- 7kW refers to a single phase EVCP not exceeding 30A at unity power factor based on a 230V nominal voltage.

3 Glossary and Abbreviations

Term	Definition
CCCM	Common Connection Charging Methodology
DNO	Distribution Network Operator
Elexon	Service company for the Balancing and Settlement Code
ENA	Energy Network Association
EVCP	Electric Vehicle Charge Point
HV	High Voltage, AC Voltages above 1000V; generally used to describe 6.6kV or 11kV distribution systems but may include higher voltages.
ICP	Independent Connection Provider
LV	Low Voltage, AC Voltages up to 1000V; generally used to describe 230/400V or 230/460V distribution systems.
mCMS	Measured Central Management System
MPAN	Meter Point Administration Number
MPR	Maximum Power Requirement
pf	Power Factor
PME	Protective Multiple Earthing
PQM	Power Quality Monitor
SPN	Single-phase and Neutral
TPN	Three-phase and Neutral
TT	Terre- Terre Earthing
UK Power Networks	UK Power Networks (Operations) Ltd consists of three electricity distribution networks: <ul style="list-style-type: none"> • Eastern Power Networks plc (EPN). • London Power Network plc (LPN). • South Eastern Power Networks plc (SPN).
UMC	Unmetered Connection
UMSO	Unmetered Supplies Operator

4 Supply Overview

Table 4-1 provides an overview of the available supplies.

Table 4-1 – EVCP Supply Overview

Type	Total MPR Available (kVA)	Max Single EVCP (Typical CPs)					Section
		3kW	7kW	15kW	22kW	50kW+	
UMC	5.75	✓	✗	✗	✗	✗	5.1
100A SPN Highway	23	✓	✓	✓†	✓†	✗	5.2
100A TPN Highway	69	✓	✓	✓†	✓†	✓†	5.3
100A SPN Domestic	23	✓	✓	✓†	✗	✗	5.4
100A TPN Domestic	69	✓	✓	✓†	✓†	✗	5.4
Large LV	≤1500*	✓*	✓*	✓*	✓*	✓*	5.5
HV Supplies	Limited by MPR	✓*	✓*	✓*	✓*	✓*	5.5
EHV Supplies	Limited by MPR	✓*	✓*	✓*	✓*	✓*	5.5
Multi-Occupied Building	Limited by MPR	✓*	✓*	✓*	✓*	✓*	5.5

Legend:

- ✗ Not possible from this connection type
- ✓ Possible to connect without additional assessment
- ✓† Possible to connect subject to thermal capacity and harmonic assessment, refer to Section 5.5
- ✓* Possible to connect multiple EVCPs available subject to thermal capacity and harmonic assessment of an existing or proposed connection type.

5 Connection Requirements

EVCPs may be derived from a number of new or existing supplies. In each case, the hosting supply shall adhere to the requirements of the primary design standard for that size or type of supply.

5.1 Unmetered Connections

A single EVCP shall be provided from an UMC based on the requirements of EDS 08-2102; The UMC hosting the EVCP shall fully comply with the requirements of EDS 08-2102 for all issues regarding supply, for example hardware provision, fuse rating, ownership of the UMC etc. with the exception of the provision of earthing (refer to Section 6.2).

Where an UMC earthing differs from the requirements of Section 6.2, the UMC shall be converted accordingly. This may have wider implications for EVCPs derived from looped or other complex UMC scenarios and should be considered prior to installation.

It is noted that EVCPs derived from UMCs will use mCMS to collect consumption data and as such will have to adhere to the Elexon certification process for use on unmetered connections.

Therefore EVCPs are not limited by the 500W or 2kW MPR requirements for UMC where prior agreement has been given by UK Power Networks' UMSO.

For EVCPs derived from existing UMCs, the MPR of the unmetered and mCMS component shall be considered in the total MPR of each UMC. For example an EVCP to be derived from a UMC in excess of 500W shall consider the MPR of both the UMC and the EVCP at their peak load. Note that diversity of load shall not be considered for a single point of supply.

The maximum power available for UMC shall be constrained by the fuse rating of the UMC connection, as listed in Table 5-1.

Table 5-1 – Maximum Power Available per Fuse Rating

Fuse Rating (A)	6	10	16	20	25
Total MPR (kW)	1.38	2.3	3.68	4.6	5.75

As discussed, fuse provision shall be determined in accordance with EDS 08-2102. Where fuse rating is insufficient for a proposed EVCP/UMC combination, a service alteration shall be required.

Note: UK Power Networks cannot guarantee the minimum or maximum fuse rating available for a UMC due to the operational requirements of the LV distribution network in accordance with the ESQCRs.

For EVCPs to be provided from looped UMCs, diversity shall be applied across the volume of UMCs to be equipped, refer to Section 6.5 for guidance.

EVCPs shall not be derived from UMCs on unmetered three-phase supplies, fifth core and other switched supplies or those supplies referred to as "Historic Cables and Cut-outs", as detailed in EDS 08-2102. UMCs supplied by overhead lines are not prohibited from hosting an EVCP but, should be considered for replacement by underground services if practical.

5.2 100A Single-phase Connections in the Public Highway

A single EVCP of either 3kW or 7kW may be provided from a single 100A single-phase neutral (SPN) metered supply mounted in the public highway.

100A SPN EVCPs shall be provided from an underground LV distribution network only (refer to EDS 08-2000) and shall be:

- An approved 35mm² single-phase aluminium cable (refer to EAS 02-0000).
- Installed in a 32mm internal diameter UK Power Networks approved duct (refer to EAS 02-0000).
- A service length no greater than 43 metres,
- Terminated in an approved 100A cut-out (refer to EAS 13-0000).
- Supplied with standard 25mm² copper double-insulated conductors (meter tails) from the meter to the cut-out, provided and installed by the appointed meter operator.

The cut-out and whole current meter shall be accommodated within a customer owned, provided and maintained position that shall be:

- Electrically safe to allow for the termination of the approved cut-out and meter.
- Provided with a BS 7671 electrical test certificate.
- Watertight and secured with the appropriate tool.

The meter shall not be positioned lower than 500mm or higher than 1800mm,

100A SPN EVCPs shall be earthed in accordance with Section 6.2.

100A SPN EVCPs shall not be provided by looped connections nor shall 100A SPN EVCPs be looped from a single point of connection.

For EVCPs exceeding 7kW, refer to Section 5.5

5.3 100A Three-phase Connections in the Public Highway

A single EVCP of either 3kW or 7kW per phase EVCP may be provided using a 100A three-phase and neutral (TPN) metered supply mounted in the public highway.

100A TPN EVCPs shall be provided from an underground LV distribution network only (refer to EDS 08-2000) and shall be:

- An approved 35mm² three-phase aluminium cable (refer to EAS 02-0000),
- Installed in a 50mm internal diameter UK Power Networks approved duct (refer to EAS 02-0000),
- For a service length no greater than 43 metres,
- Terminated in an approved 100A cut-out (refer to EAS 13-0000),
- Supplied with standard 25mm² copper double-insulated conductors (meter tails) from the meter to the cut-out, provided and installed by the appointed meter operator.

The cut-out and whole current meter shall be accommodated within a customer owned, provided and maintained position that shall be:

- Electrically safe to allow for the termination of the approved cut-out and meter.
- Provided with a BS 7671 electrical test certificate.
- Watertight and secured with the appropriate tool.

The meter shall not be positioned lower than 500mm or higher than 1800mm,

100A TPN EVCPs shall be earthed in accordance with Section 6.2.

For EVCPs exceeding 7kW, refer to Section 5.5

5.4 Single-phase and Three-phase Domestic Connections

A single EVCP of either 3kW or 7kW may be provided from a 100A SPN or 100A TPN domestic supply.

If a direct fused connection for an EVCP is required; as described in EOP 03-0072, the UK Power Networks approved cut-out provides a facility for a parallel 30A fuse or “pup fuse” from a maximum 60A primary fuse to supply dedicated domestic services that cannot be provided by a BS 7671 domestic consumer unit.

This may be applied to both single-phase and three-phase whole current metered supplies for the provision of an EVCP up to 7kW. In three-phase supplies, only the primary fuse to which the pup fuse is attached is required to be a maximum 60A.

The primary 60A supply shall remain in accordance with EDS 08-2101 or EDS 08-2100 as appropriate. The 30A pup fuse supply shall be metered remotely from the cut out at a position discussed, approved and provided by the customer with their electricity supplier.

The 30A pup fuse supply shall be fitted with standard 25mm² copper double-insulated conductors (meter tails) from the meter to the cut-out, provided and installed by the appointed meter operator.

Earthing for the 30A pup fuse supply shall be in accordance with the existing earthing system of the original supply; refer to EDS 06-0017 for specific information.

Refer to EOP 03-0072 for technical guidance on the provision of pup fuse supplies.

For 100A SPN domestic supplies if the 30A pup fuse is not appropriate or the MPR of EVCP combined with the existing load exceeds 23kVA a supply upgrade to 100A TPN in accordance with EDS 08-2100 will be required to accommodate the additional load requirement, refer to section 5.5.

For 100A TPN domestic supplies if the 30A pup fuse is not appropriate or the MPR of EVCP combined with the existing load exceeds 69kVA, additional supplies or an increase in supply will be required in accordance with EDS 08-2100, refer to Section 5.5.

For EVCPs exceeding 7kW, refer to Section 5.5

5.5 EVCPs exceeding 7kW and Multi-Occupied Buildings

EVCPs exceeding 7kW shall be assessed and supplied in accordance with the appropriate design standard for the size of supply being used:

- EDS 08-1103 for supplies to multi-occupied buildings.
- EDS 08-2102 for unmetered supplies.
- EDS 08-2101 for supplies up to 100A single phase.
- EDS 08-2100 for supplies above and including 100A three-phase.
- EDS 08-3100 for HV supplies.
- EDS 08-4100 for EHV supplies.

Supplies within buildings such as car parks shall be assessed as per EDS 08-1103 and the appropriate connections for the required voltage of supply, with each EVCP considered another metered exit point within the building.

Refer to Section 6.5 for guidance on EVCP diversity.

6 General Requirements

6.1 Installer Requirements

Where installation of EVCP is to an existing service the installer shall assess the adequacy of the supply assessment prior to installation. A load survey shall be completed which shall include the new EVCP equipment and the new maximum demand after diversity value calculated (refer to Section 6.5 for additional information).

Where the MPR including new EVCP equipment is less than or equal to the rating of the incoming supply and cut-out, notification shall be sent by the installer directly to UK Power Networks within one month of installation, refer to section 6.1.1.

Where the MPR including new EVCP equipment, is greater than the rating of the incoming supply and cut-out, the installer shall contact UK Power Networks or an appropriate ICP prior to installation to arrange for the necessary service upgrade to be undertaken.

The EVCP installer is also required to contact UK Power Networks where there are safety concerns with the supply cut-out or any other existing UK Power Networks equipment.

6.1.1 Notification Form and Records

Following the installation of EVCP equipment, installers are required to notify UK Power Networks of the installation using the notification form in Appendix A. This applies to EVCP installations to both an existing supply and where an application has been made for a new point of connection. Installations for larger commercial schemes, multiple installations and unmetered connections should also notify the UK Power Networks post commissioning.

Notification forms shall be sent to UK Power Networks small services via the online portal, or directly to the small services email address smallservices@ukpowernetworks.co.uk.

For multiple installations (multiple locations and/or multiple charge points in one location), a spreadsheet version of the form is available to installers to notify UK Power Networks. This applies to installation of EVCP in all customer contexts, residential, commercial, public on-street etc.

The notification form shall be completed by the EVCP installer and sent to UK Power Networks within 30 days of the date of the installation. The accepted notifications are recorded in our master database.

All submitted forms shall be archived and recorded by UK Power Networks in the central data repository from which the data can be used for regulatory reporting and analysis.

6.2 Earthing Arrangements

Earthing system requirements for the EVCP will depend on the earthing arrangements of the electrical supply to the charge point and the location of the charge point.

A TT earthing system shall be used for all supplies from Section 5.1, 5.2 and 5.3 EVCPs, this includes all EVCPs in the public highway.

A PME earth terminal shall not be provided for a supply direct to EVCPs installed in the highway, refer to EDS 06-0017. The supply and installation of earthing system and protection is the responsibility of the EVCP installer.

Section 5.4 and 5.5 EVCPs shall be earthed in accordance with the existing building earthing arrangement. The customer's EVCP installer is responsible for ensuring that the earth system is used appropriately and conforms to the requirements of BS 7671.

It is the responsibility of the EVCP installer to:

- Confirm the earthing and bonding arrangements of the location meet the requirements for EVCP equipment.
- Ensure that any earth terminal provided for the premise is used appropriately.

Refer to EDS 06-0016 and EDS 06-0017 for additional earthing information.

6.3 Power Quality and Disturbing Loads

Connection of potentially disturbing equipment to the distribution network shall be assessed in accordance with ENA EREC G5/4-1.

The disturbing equipment assessment form EDS 08-5050B shall be used to record this assessment and submitted to UK Power Networks with an EVCP application.

Disturbing equipment is any equipment that has the potential to cause voltage harmonic distortion. The majority of equipment used to charge electric vehicles falls into this category.

6.4 Network Reinforcement Guidance for EVCPs

Upstream reinforcement costs associated with eligible EVCP equipment installed in existing small service whole current metered properties shall be fully funded by UK Power Networks in accordance with the CCCM. This only applies where there is no modification to a customer's existing service from the installation of eligible equipment. For all other applications costs for reinforcement shall be in accordance with the CCCM.

Eligible equipment is deemed to be any and all:

- Generation equipment with a rated output not greater than 16A per phase (or not greater than 16A per phase at any single premises if a single application for multiple installations) or,
- Equipment installed that conforms with the technical requirements of BS EN 61000-3-2 and BS EN 61000-3-3, notwithstanding that the equipment may have an input current that is more than 16A per phase.

6.5 Diversity Guidance

The factors in Table 6-1 represent typical diversity of supply for EVCPs within UK Power Networks. These figures may be used as guidance by customers and Public Lighting Authorities for the assessment of EVCPs. The diversity factor is applied to the total kW rating of all customer EVCPs.

Table 6-1 – EVCP Diversity Factors

Context	Diversity factor†
Single charging point in a single dwelling	0.5
Multi Occupancy Buildings (No. of EVCPs >= no. of dwellings)	0.5
Multi Occupancy Buildings (No. of EVCPs < no. of dwellings)	0.8
Public Car Parks or On-Street Charging Points	0.8
Multiple charging points, in commercial customer applications	Case specific

Where assessment is for a single charging point in a single dwelling, a diversity factor of 0.5 shall be applied to the total kW rating of the EVCP.

For multi-occupancy buildings with a single electrical intake supplying charge points in its associated private car park, where the number of dwellings is less than or equal to the number of charge points, a diversity factor of 0.5 shall be applied to the total kW rating of the EVCP.

For multi-occupancy buildings with a single electrical intake supplying charge points in its associated private car park, where the number of dwellings is in excess of the number of charge points, a diversity factor of 0.8 shall be applied to the total kW rating of the EVCP.

For car parks or on-street charging points with a common electrical power supply (i.e. LV feeder), a diversity factor of 0.8 shall be applied to the total kW rating of the EVCP.

For multiple charging points, in commercial customer applications, with a common electrical power supply (e.g. bus fleets, logistics fleets) – assessment of diversity shall be made on a case-by-case basis using the customers operating profile and associated network studies.

6.6 Legal Requirements

All necessary consents relating to the service cables and access arrangements shall be provided by the customer. If UK Power Networks equipment is to provide a strategic purpose additional to the function of a supply point for an unmetered supply customer, UK Power Networks shall ensure that its interests are adequately protected by the agreed tenancy arrangements.

Necessary land rights shall be secured before starting construction as detailed in EDS 08-3101.

6.7 Guidance on BS7671 (IET Requirements for Electrical Installation)

UK Power Networks is not an enforcing or advisory body for BS 7671. Where questions of the adequacy of the customer's installation need to be resolved the electrical contractor should seek advice from the trade body providing their accreditation e.g. Electrical Contractors Association (ECA), National Inspection Council for Electrical Installation Contracting (NICEIC) etc.

Arrangement of the customer installation is entirely at the discretion of the customer. Legislation requires that the customer installation shall be provided, installed and maintained in accordance with BS 7671 by the customer's electrical contractor.

6.8 Ownership Boundaries

In all instances, the ownership boundary shall be at the outgoing terminals of the cut-out.

The ownership boundary shall be indicated on site by the use of the approved boundary label EDS 07-0009.147 (refer to EAS 07-0021) or shall be suitably marked on the cut-out for UMCs.

For supplies in the public highway; inspection and reporting of service termination issues will be required by the customer or public lighting authority.

6.9 Commissioning, Energisation and Disconnection

Refer to the appropriate design standards for the correct commissioning, energisation and disconnection procedures required for each supply, including the requirements for MPANs where required.

7 References

7.1 UK Power Networks Standards

EAS 13-0000	Approved Equipment List – LV Plant and Equipment
EAS 02-0000	Approved Equipment List – Cables and Joints
EDS 06-0016	LV Network Earthing Design
EDS 06-0017	Customer LV Installation Earthing Design
EDS 07-3101	Pre-design Requirements for Secondary Substations
EDS 08-0113	Guidance for Inset Networks
EDS 08-0132	Planning Guidance for Disturbing Loads
EDS 08-1901	Guidance for the Connection of Customers Disturbing Loads
EDS 08-2000	LV Network Design Standard
EDS 08-2100	LV Customer Supplies
EDS 08-2101	LV Customer Supplies up to 100A Single-phase
EDS 08-2102	Unmetered Connections
EDS 08-3100	HV Customer Demand and Generation Supplies
EDS 08-4100	EHV Customer Demand and Generation Supplies
EDS 08-5050B	Electric Vehicle Charging Point (EVCP) Data Collection Form
EOP 03-0072	Pup Busbar for WT Henley Cut-Outs

7.2 National Standards

BS 7671	BS 7671:2008+A3:2015 Requirements for Electrical Installations (IET Wiring Regulations Seventeenth Edition)
BS EN 61000-3-2	Electromagnetic compatibility (EMC) Limits. Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
BS EN 61000-3-3	Electromagnetic compatibility (EMC) Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
ESQCR	Electricity Safety, Quality and Continuity Regulations 2002

Appendix A – Notification Form Specimen

The notification form can be submitted online through the UK Power Networks online portal available at:

<http://www.ukpowernetworks.co.uk/internet/en/our-services/electric-vehicle-charging/>

Notification



Notification to DNO of installation of dedicated electric vehicle charging equipment

This form must be sent by the installer to notify the DNO directly. For help identifying the correct DNO and their contact details please visit

<http://www.energynetworks.org/electricity/futures/electric-vehicle-infrastructure.html>

Please note that an 'adequacy of the supply' assessment, highlighted in the IET COP, is required prior to any EV charge point installation. This requires a load survey to calculate the new **Maximum Demand (Load) after diversity (ADMD)**, including the new electric vehicle charging equipment at the property. While the DNOs only require a notification in the interim, care should be taken to identify instances where the DNO should be contacted prior to installation.

DNO should be contacted **prior to installation** in the following instances;

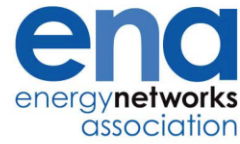
- Where there is an identified issue with the cut-out OR uncertainty on the adequacy of the cut-out
- Where the cut-out rating is **unknown**, and the ADMD is greater than 60A (13.8kVA)
- Where the cut-out rating is **known**, and the ADMD is **greater than** the cut-out rating
- There are safety concerns over the adequacy of the supply cut-out

Date of installation		DD/MM/YYYY
Full address of installation	Address line 1	
	Address line 2	
	Town	
	Postcode (if known)	
Compulsory		
21-digit Meter Point Administration Number (MPAN) or the 11-digit Meter Point Reference Number (MPRN) in Northern Ireland for the meter to which the electric vehicle charging equipment is connected. Digits 9 and 10 identify the Distribution Network Operator		xx - xxx - xxx- xx -xxxx -xxxx -xxx
Maximum Demand		
Maximum demand (load) of property including EV installation, concluded from a Load Survey		Amps
Property's Service Cut Out Rating		Amps
Details of New Installation		
Maximum demand from all electric vehicle charging equipment connected to the above meter, including any previously connected charging equipment that is available for use or where multiple charge points have been installed		Amps
Earthing arrangements installed – Detail the final earthing arrangements that have been applied for the installation of the charging point as per BS 7671 e.g. protective multiple earthing (PME).		
Installer	Name	

EVN170815

Figure A-1 – ENA Notification Form (Page 1)

Notification



	Telephone / email	
Charging point owner	Name	
	Telephone / email	
	Address (if different from installation address)	

For the following questions, please choose from the options given

Type of installation	<ul style="list-style-type: none"> - Private – Domestic - Private – Non-domestic - Public access e.g. car park, on street, please attach location map to email submission 	
Is the property on a looped service?	Yes / No / Don't know	
Has DNO been contacted prior to installation? e.g. new connection, addition to supply capacity, assessment of network impact	Yes / No	If Yes, give DNO reference if possible

Figure A-2 – ENA Notification Form (Page 2)