

EV Charger Site Survey

An EV charger site survey: customer and grant eligibility, parking and charger position, supply, earthing, consumer unit and existing loads, cable route, Wi-Fi signal for a smart charger and photos.

1. Customer and site

Project

Client

Site *

Site address

Survey date *

Time

Surveyor *

The customer * (choose one)

- ☐ Owns and lives in a house
- ☐ Owns and lives in a flat
- ☐ Rents the property
- ☐ Business or workplace

If applicable: OZEV grant. The electric vehicle chargepoint grant for renters and flat owners gives 75% of the cost, up to £500, for people who own and live in a flat, or rent and live in any home, with private off-street parking and an eligible vehicle. Funding is confirmed until 31 March 2027. Permissions from the landlord, freeholder or managing agent must be in place before applying, an OZEV-authorised installer must be used, and the chargepoint must not be installed until OZEV confirms the grant.

If applicable: Workplace Charging Scheme. Up to £500 per socket towards chargepoints at workplaces, for up to 40 sockets across all sites, with funding confirmed until 31 March 2027.

Has the landlord, freeholder or managing agent given permission? (if applicable)

- ☐ Yes ☐ No

Vehicle make and model

2. Parking and charger positions

Parking * (choose one)

- ☐ Driveway
- ☐ Garage
- ☐ Allocated car park space
- ☐ Workplace car park
- ☐ On-street only

If applicable: On-street only. A cross-pavement solution, such as a cable channel, needs the local highways authority's consent, and not every council allows them. A separate OZEV grant of up to £500 covers households with on-street parking that install one.

Proposed chargers (copy this block for each one)

Charger reference *

Proposed position *

Charger position (GPS)

Stand where the charger will go and Mark current location, so the installer and the drawing show the same spot.

Mounting (choose one)

- ☐ Brick or block wall
- ☐ Render
- ☐ Cladding
- ☐ Timber
- ☐ Post or pedestal

Charger power * (choose one)

- ☐ 7 kW
- ☐ 11 kW
- ☐ 22 kW

Cable (choose one)

- ☐ Tethered
- ☐ Untethered (socket)

Cable run from the supply point (m) *

Along the planned route, from the board or supply point that will feed this charger.

Cable route passes through (tick all that apply)

- ☐ Cavity wall
- ☐ Loft
- ☐ Garage
- ☐ Under a floor
- ☐ Underground (groundworks)
- ☐ Clipped outside
- ☐ Other: _____

Of which in a trench or groundworks (m) (if applicable)

Wi-Fi or mobile signal at this position (choose one)

- ☐ Strong
- ☐ Weak
- ☐ None

Photos of the position and cable route (photos: attach, or note the file names)

Chargers proposed (worked out automatically in the app)

7 kW (worked out automatically in the app)

11 kW (worked out automatically in the app)

22 kW (worked out automatically in the app)

Total cable run (m) (worked out automatically in the app)

Of which in a trench (m) (if applicable; worked out automatically in the app)

Total charger power (kW) (worked out automatically in the app)

Positions with a weak or no signal (worked out automatically in the app)

Walk Cam: cable route

Walk Cam video walk-through: available in the SiteSurvey app only.

3. Electrical supply

Supply point position (GPS)

Where the chargers will be fed from: the meter and cut-out, or the board. Mark current location standing at it.

Supply * (choose one)

☐ Single-phase ☐ Three-phase

Main fuse rating (choose one)

☐ 60 A ☐ 63 A ☐ 80 A ☐ 100 A ☐ Not marked

Earthing arrangement * (choose one)

☐ TN-C-S (PME) ☐ TN-S ☐ TT ☐ Not determined

If applicable: PME supply. BS 7671 regulation 722.411.4.1 does not allow a PME earth to be used for a chargepoint outdoors, or one that could charge a vehicle outdoors, unless one of the methods it lists is used, such as a chargepoint with built-in open-PEN protection or a separate earth electrode. Record which one you will use.

Method that will be used (if applicable)

Consumer unit make, spare ways and RCD type

Charger current if every charger runs at full power (A per phase) (if applicable; worked out automatically in the app)

Total charger power at 230 V single-phase or 400 V three-phase, before diversity or load management. Your design still needs the maximum demand.

Main fuse (A) (worked out automatically in the app)

If applicable: The chargers alone would draw more than the main fuse rating, before any other load. Plan load management or ask the DNO about a supply upgrade.

Other large loads (tick all that apply)

- ☐ Electric shower
- ☐ Electric heating
- ☐ Heat pump
- ☐ Hot tub
- ☐ Second EV charger
- ☐ Solar PV or battery
- ☐ None

Is load management or a supply upgrade needed?

- ☐ Yes ☐ No

Photos of the meter, main fuse and consumer unit (photos: attach, or note the file names)

4. Charger choice

If applicable: Home and workplace chargepoints sold in Great Britain since 30 June 2022 must be smart: able to send and receive information and respond to signals to change when or how fast the car charges. They must keep charging if the network connection drops, but the smart features need one, so plan a connection.

Proposed charger make and model

Installation notes and anything that affects the price

5. Actions and sign-off

Customer name

Customer signature

Are further actions needed?

- ☐ Yes ☐ No

Further actions (copy this block for each one; if applicable)

What needs doing? *

Priority (choose one)

☐ Urgent ☐ High ☐ Medium ☐ Low

Who will do it?

Due date

Status (choose one)

☐ Open ☐ In progress ☐ Completed

Inspector name *

Position or company

Inspector signature

Signing records what was found on the day. It does not make unsafe equipment safe or replace a thorough examination, design check or service by a competent person.