



in collaboration with our awarded suppliers

Electric Vehicle Charging Points

You Asked, We Answered

For procurement advice please contact:

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Q: What type of charger do I need and what charging speed is right?



Although fast and rapid chargers perform the same function of charging an electric vehicle, the case of when and where one should be deployed, power requirements and commercials for both are significantly different from each other.

Rapid chargers provide higher power charging, i.e. in some cases seven times the speed of a fast charger. The rule of thumb is therefore that rapid chargers serve visitors and should be deployed at destinations where users only stay for shorter periods, while fast chargers serve residents that want to charge close to their house, overnight, or while at work.

It should be noted that there are still very few passenger cars that can fully benefit from a 22kW CP (currently only Renault Zoe and Tesla 11 if it's been upgraded). Any other passenger car that uses the 22kW will only benefit from around 6.6kW, making deployment of too many 22kW chargers uneconomical. (Note, this limitation in charging abilities is set by the vehicles and is not a limitation of the charge point capability.)

Unless your deployment includes fleet charging of Heavy Goods Vehicle (HGV), the 7kW chargers are thus more cost effective and better for the grid. Therefore, it's recommended a blend of 7kW and 22kW, with 7kW being the majority, in either on-street or car parks deployments.

View our electric vehicle charging point suppliers online

[Here](#)



Q: How do I know if I have capacity for charge points on my site?



To determine if the site is suitable for certain chargers, it is important that the capacity of the site (in kVA) has been assessed and confirmed. Distribution Network Operator (DNO) upgrades are expensive and increases the risk for bidders in a concession model.

Upgrading the grid can be costly:

- For sites of 3-10 charge points, costs can be up to £20K
- For large scale (~50 charge points+ at one site) costs can be up to £100K.
- Costs are variable and your specific cost will only be determined following a supplier assessment

Arrange an assessment via the framework today!

Access Here



Q: Why is it best to procure through a framework?



The benefits of the KCS Procurement Services framework are:

- Pre-selected suppliers that have been evaluated and awarded for value, removing the need to run a full procurement process
- Significant reduction in procurement timescales from four to six months to as little as four to six weeks
- No need to worry about what T&Cs to use as they have already been pre-agreed under the framework and will underpin all orders. Note, there is still an opportunity to apply bespoke terms to further competitions, such as contract length and ownership to suit each individual competition.
- You're provided with standard tender documents and templates

KCS Procurement Services offer a direct award call-off option. A direct award can simplify the process by reducing resources, time and cost in comparison to further competition. The further competition option is available for projects with more complex requirements.

Find out more

Do I need planning permission?

Generally, organisations can install a charge point in their car parks, including rapid charge points, without planning permission. However, to install EVCPs at listed buildings or conservation areas you may need to seek planning permission.

Want to find out more?

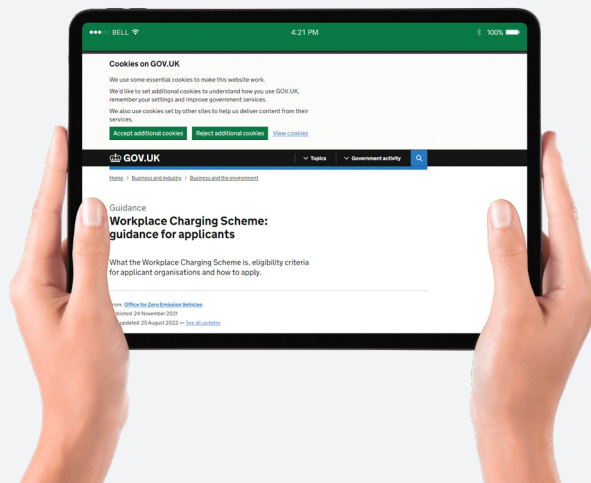
[Click here](#)

°It is always worth enquiring with your local council to ensure all planning regulations are met prior to installation.°



How do you apply for the Workplace Charging Scheme grant?

You can find out what the Workplace Charging Scheme is, eligibility criteria for applicant organisations and how to apply on the Office for Zero Emission Vehicles webpages: [Here](#)



Are the EVCPs compatible with all EV makes and models?



Yes, there is an EV charge point available for all EV makes and models. For en-route rapid charging, there are three types of DC car-side connectors but the charging units are in most cases fitted with all options.



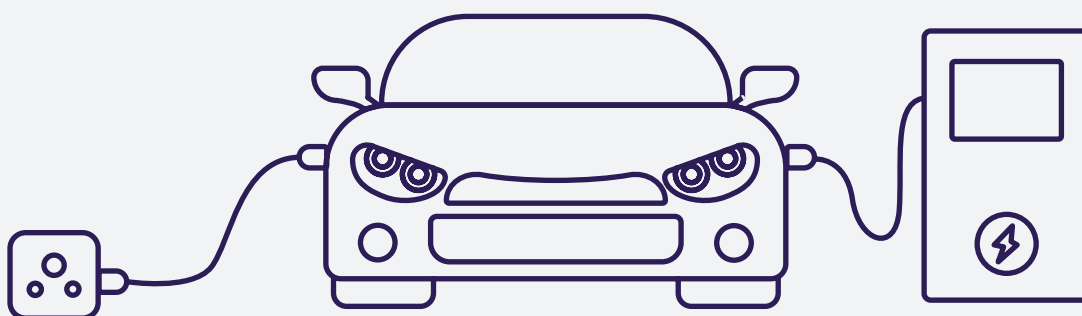
To find the most compatible charger for your organisation visit our awarded suppliers on this framework

[Visit here](#)

What's the difference between AC and DC charging?



AC (alternating current) is the power that comes from the grid. To charge an electric car, the power always needs to be converted from AC to DC. When using an AC charger, the converter within the vehicle itself converts AC to DC. Whereas with a DC charger, the charge point has a converter within itself and outputs DC power. AC charging tends to be slower, with power ranging from 3kW to 43kW. Whereas DC charging (typically known as rapid charging) is 50kW+.



[Find out more](#)

What price differences are there between AC and DC charging?



Implementing DC charging is typically more expensive than AC, as hardware and installation costs are higher where power upgrades are required. AC charging is usually more cost effective, but delivers a slower charge. Your choice of charger is dependent entirely on your charging needs.

Which chargers should I install and how many?



There is not a one-size-fits all solution. The type and number of chargers depends on your needs, your budget and your plans for the future. If you are installing EV charging for your fleet, one of our suppliers can help you to analyse your fleet behaviour. You need to consider the distance your fleet travels each day, where they are parked when they're not in use and where they may be able to charge. These factors will help you to determine the type of chargers and the volume needed.

Working with our awarded suppliers, we can offer solutions to help you grow your EV charging infrastructure as your organisation grows too.

[Visit our framework](#)



Have any further questions or queries?

We are hosting a drop-in session with our EVCP framework team so they can pick up any questions or concerns you have regarding our framework.

Keep your eyes peeled

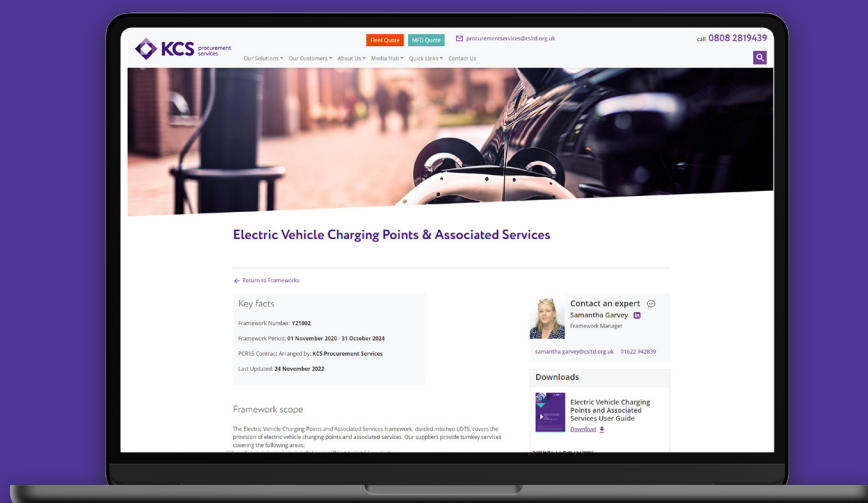
If your organisation is looking for more information around implementing electric vehicle chargers.

[Sign up here](#)

Our Electric Vehicle Charging Points Suppliers



To find out more about our Electric Vehicle Charging Points frameworks:



[Electric Vehicle Charging Points](#)

[Electric Vehicle Charging Points & Associated Services](#)

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