



## IDENTIFY:

# ELECTRIC VEHICLE (EV) CHARGE POINTS IN YOUR CLUB

## Questions to consider when planning to install an electric vehicle (EV) charger in your club

- Who will the main users of your club's EV charge point be?
- What is the existing electrical supply and system in your club?
- What site works will be involved?

If your club is planning an EV charger installation, ensure you contact an independent professional for advice before proceeding with your installation.

## Who will the main users of your club's EV charge point be?

### 1. CLUB USERS, MEMBERS OF STAFF ON-SITE FOR A WHOLE DAY

If your primary users can charge their vehicles for six hours or more, a home charger or low-power (7kW) commercial charger could be an option for your club.

### 2. CLUB PLAYERS, MEMBERS, SUPPORTERS AND VISITORS WHO WILL BE ON-SITE FOR A COUPLE OF HOURS AT MOST.

A commercial 11 to 22kW charger will provide a meaningful charge or top-up for club members who are on-site for training, a match or a club meeting or event.

### 3. MEMBERS OF THE WIDER COMMUNITY WHO WILL USE THE CLUB EV CHARGE POINT AS A 'DESTINATION CHARGER' FOR TWO HOURS OR MORE.

A commercial 11 to 22kW charger will provide a meaningful charge or top-up to the user.

## What is the existing electrical supply and system in your club?

- **Establish if you have single-phase or 3-phase power:** For AC charging of 11kW or more, 3-phase power is required. Contact an independent professional for advice.
- **Check what your Maximum Import Capacity (MIC) is.** You will find your club's MIC on your electricity bill. The MIC is the maximum electrical demand you can place on the network system. If your club exceeds its MIC, you can incur significant charges. Talk to your energy provider and to an independent professional before installing an EV charger to ensure that your MIC is suitable for your requirements. You will also need to consider what your site's other electrical demands, e.g., floodlighting, might be when the EV point is in use.

## What site works will be involved?

- Installation of the EV Charge Point is likely to involve other works such as cabling and ground works.
- Keeping the location of the EV charging parking space(s) close to your electrical distribution board will reduce cabling costs.
- Mounting charge points on a wall may be cheaper than having to install a foundation base.
- If you have any larger construction works planned, consider including the charge point installation as part of these to reduce your costs.
- Ensure that dedicated EV charging parking spaces are clearly marked out.

### TYPES OF EV CHARGE POINTS:

Charging Connection	kW	Charge Duration
AC Single Phase	3-7 kW	6-8 hrs to full charge
AC 3-Phase	22 kW	3-6 hrs to full charge
Fast AC or DC*	43kW AC or 50+kW	30-40 mins to 80% capacity

\*Due to the high power requirements, fast EV charging will be unsuitable for most clubs and grounds.

**TOP TIPS**

**Each installation will have different requirements so it is important to complete a site survey with a provider or independent professional before purchasing equipment or starting an installation.**

**Other considerations:**

- **Number of outlets:** EV Charge Points can be supplied with one or two outlets. Choosing a two-outlet point may be more cost-effective in the long run. Plan your EV charging spaces and electricity management accordingly.
- **Payment system:** Consider whether your club will implement a payment system for users of your charge points. This can be a source of revenue for clubs who install charge points as destination chargers. Talk to your EV charger provide about the different payment options and facilities and seek independent advice on what approach works best for your club.
- **Energymanagement:** An energy management system can help to control peaks in power demand, keeping the overall demand below the MIC level and thus avoiding penalties. Talk to your provider or independent professional for advice.
- **E-bike charging:** Investigate whether your charge point can include charging facilities for other e-vehicles, e.g., e-bikes, to support active travel to your club grounds.

