

Guidelines for individual owners and tenants of car parking spaces to set up standard charging facilities for electric vehicles

What are Electric Vehicles?

- Here comes the era of electric vehicles (EVs)! EVs do not have tailpipe emissions. They can help improve roadside air quality, reduce greenhouse gas emissions and save fuel costs for drivers!

- With the introduction of different makes of EVs into Hong Kong, we need a well-established charging network to support the wider adoption and development of EVs.

Why do we issue these guidelines?

- The Government has been encouraging property developers, property management companies and car park operators to set up charging facilities. Individual owners or tenants of car parking spaces may also like to set up chargers at their dedicated car parking spaces.

- As the installation of charging facilities may involve some technical issues, e.g. obtaining the necessary approval from owners' corporation or owners' committee to install such facilities in multi-owned car parks, we hope to provide individual owners and tenants of car parking spaces with some useful information on installing EV chargers.

What are EV charging facilities?

- EV charging facilities generally mean fixed electrical installations, including switchboards, distribution boards, cabling, conduits, trunking and socket outlets. A separate electricity meter may be required if it is necessary to record electricity consumption.

Who can install charging facilities?

- Registered electrical contractor and registered electrical worker of the appropriate grade can design, install, test and certify EV charging facilities in accordance with the relevant provisions of the Electricity Ordinance (Cap. 406) and its regulations.

Who should be consulted, and why?

Parties to be consulted

- The owner of the car parking space (if you are a tenant)
- Dealer of the EV you intend to buy
- Property management company / owners' committee or owners' corporation of your car park
- Registered electrical contractor or worker, or company providing the charging solutions

Issues to be consulted

- To seek the owner's consent for your installing the charging facilities
- To ascertain the charging specifications required by the EV (e.g. rating of electric current and charging protocol)
- To ascertain whether there is sufficient power supply for charging your EV
- To ascertain whether any part of the installation e.g. cabling and conduits, will go through common areas of the car park or the premises, and if so, whether the relevant consent of owners' committee or owners' corporation is required
- How electricity charges will be collected (*may need to consult power companies*)
- To work out the design and protocol of the charging facility, as well as details of the installation works
- To ascertain the cost of the charging facility and related works
- To install, test and certify the charging facility
- Relevant maintenance arrangements

Still have no clues?

- The Electrical and Mechanical Services Department will be happy to provide you with any necessary assistance. Please call the EV Hotline at (852) 3757 6222 or send an email to info@emsd.gov.hk.
- You may also refer to the technical guidelines promulgated by the Government on charging facilities for EV, at:
http://www.emsd.gov.hk/emsd/e_download/pps/pub/EV_guidelines.pdf

Environment Bureau, HKSARG
September 2011