

Requirements of Charging-enabling Infrastructure for Electric Franchised Buses, Electric Public Light Buses and Electric Taxis in New Public Transport Interchanges and Bus Termini

General Requirements

For every new Public Transport Interchanges (PTI) or Bus Termini, sufficient designated charging bays respectively for charging of electric franchised buses, electric public light buses and electric taxis shall be provided. Bypass lane by the side of the charging bays shall be provided to ensure smooth traffic when charging activities are being conducted.

2. Sufficient power supply and space should be provided for supporting the charging facilities for full electrification of all franchised buses, public light buses or taxis operating in the PTI or Bus Termini. Sufficient space and head room should be provided for future installation of pantograph chargers at the designated charging bays for electric public light buses in accordance with the Technical Guidelines for Electric Public Light Buses (Fast Charging Type) and the Associated Charging Facilities (see attachment).

Technical Specification for Electric Franchised Buses

3. Charging-enabling infrastructure (including power supply, electricity meters, cables, distribution boards, switchgears, conduits and trunkings, etc.) for future installation of chargers with rated output power of not less than 200 kW each, shall be provided in the PTI or Bus Termini to facilitate charging of electric franchised buses. The number of chargers to be installed in the PTI or Bus Termini shall be subject to the number of electric franchised buses using the PTI or Bus Termini and their daily mileage. Separate metered utilities shall be provided for each charger to measure the electricity consumption. Sufficient space with dimensions of not less than 2,500mm(L) x 1,500mm(W) x 2,600mm(H) shall be reserved for facilities required by each charger to be provided in the PTI or Bus Termini.

Technical Specification for Electric Public Light Buses

4. Charging-enabling infrastructure (including power supply,

electricity meters, cables, distribution boards, switchgears, conduits and trunkings, etc.) for future installation of chargers in full compliance with the Technical Guidelines for Electric Public Light Buses (Fast Charging Type) and the Associated Charging Facilities (see attachment) shall be provided in the PTI to facilitate charging of electric public light buses. The number of chargers to be installed in the PTI shall be subject to the number of electric public light buses using the PTI and their daily mileage. Separate metered utilities shall be provided for each charger to measure the electricity consumption.

Technical Specification for Electric Taxis

5. Charging-enabling infrastructure (including power supply, electricity meters, cables, distribution boards, switchgears, conduits and trunkings, etc.) for minimum of three (3) quick chargers with rated output power of not less than 100 kW each shall be provided in the PTI to facilitate future installation of quick chargers for electric taxis. Separate metered utilities shall be provided for each charger to measure the electricity consumption. The space requirements of facilities required by each quick charger and charging bay to be provided in the PTI shall be not less than 2,500mm(L) x 1,500mm(W) and 5,000mm(L) x 2,500mm(W) respectively.

Enquiry

6. For details or enquiry, please contact the EV Hotline of the Environmental Protection Department at 3757 6222 or email: ev@epd.gov.hk

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