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ELECTRICITY ACT (CHAPTER 89A)

ELECTRICITY (ELECTRICAL INSTALLATIONS — EXEMPTION) REGULATIONS 2021

ARRANGEMENT OF REGULATIONS

Regulation

1. Citation and commencement
 2. Definitions
 3. Exemption from regulation 13(1) and (2) of Electricity
(Electrical Installations) Regulations
The Schedule
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In exercise of the powers conferred by sections 97 and 103(1) of the Electricity Act, the Energy Market Authority of Singapore, with the approval of the Minister for Trade and Industry, makes the following Regulations:

Citation and commencement

1. These Regulations are the Electricity (Electrical Installations — Exemption) Regulations 2021 and come into operation on 6 July 2021.

Definitions

2. In these Regulations —

“electric vehicle” means a vehicle that is —

- (a) propelled wholly or partly by electricity (whether or not designed or adapted to be capable, in at least some circumstances or situations, of safely driving itself); and

(b) equipped with an electric rechargeable energy storage system which can be recharged externally, and includes electric cars, electric buses and high-powered electric motorcycles;

“fixed electric vehicle charger” means any equipment that is an electrical installation for charging electric vehicles;

“fixed electric vehicle charger with detachable cables” means any fixed electric vehicle charger with Mode 3 (Case B) specifications, and includes —

- (a) its associated control boxes and devices; and
- (b) its associated detachable cables;

“high-powered fixed electric vehicle charger” means any fixed electric vehicle charger —

- (a) with Mode 4 specifications;
- (b) with a power rating of more than 200 kW; and
- (c) that is powered by low voltage Direct Current (DC) not exceeding 1500V d.c. between conductors or 900V d.c. between each conductor and Earth,

and includes —

- (d) its associated control boxes and devices; and
- (e) its permanently-connected charging cable;

“LTA” means the Land Transport Authority of Singapore established under the Land Transport Authority of Singapore Act (Cap. 158A);

“pantograph fixed charger” means any fixed electric vehicle charger with extendable pantographs and includes its associated control boxes and devices;

“sandbox trial” means a trial conducted by the LTA under a set of terms and conditions issued by the LTA to an owner, a manufacturer or an operator of any fixed electric vehicle charger specified in the Schedule, to test the suitability and safety of that fixed electric vehicle charger for general use.

Exemption from regulation 13(1) and (2) of Electricity (Electrical Installations) Regulations

3. Regulation 13(1) and (2) of the Electricity (Electrical Installations) Regulations (Rg 5) does not apply to a licensed electrical worker in relation to a fixed electric vehicle charger of a type specified in the Schedule that is installed under a sandbox trial.

THE SCHEDULE

Regulations 2 and 3

TYPES OF FIXED ELECTRIC VEHICLE CHARGERS

1. High-powered fixed electric vehicle charger
2. Pantograph fixed charger
3. Fixed electric vehicle charger with detachable cables

Made on 2 July 2021.

RICHARD LIM CHERNG YIH
Chairman,
Energy Market Authority of
Singapore.

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(To be presented to Parliament under section 103(4) of the Electricity Act).