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ELECTRIC VEHICLES CHARGING ACT 2022

ELECTRIC VEHICLES CHARGING (MINIMUM ELECTRICAL LOAD AND CHARGING POINTS) ORDER 2023

ARRANGEMENT OF PARAGRAPHS

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In exercise of the powers conferred by sections 64(1)(b) and (2) and 65(1)(b) and (2) of the Electric Vehicles Charging Act 2022, the Minister for Transport makes the following Order:

Citation and commencement

1. This Order is the Electric Vehicles Charging (Minimum Electrical Load and Charging Points) Order 2023 and comes into operation on 8 December 2023.

Definitions

2. In this Order, “building works”, “development”, “electrical work”, “parking lot” and “parking place” have the meanings given by section 60 of the Act.

Minimum electrical load and charging points for development with building works

3.—(1) For the purpose of section 64(1)(a) of the Act, the minimum electrical load in respect of a development on which building works are carried out is determined in accordance with the formula $1.3 \text{ kVA} \times \text{TPL}$, where TPL is the total number of parking lots in the parking places of the development.

(2) For the purpose of section 64(1)(b) of the Act, the minimum number of charging points in the parking places of the development is the number of charging points (called N) that draws the aggregate amount of electrical load (as measured in kilowatts) determined in accordance with the formula prescribed by sub-paragraph (3) and, if N is not a whole number, rounding that number to the next higher whole number.

(3) In sub-paragraph (2), the formula to determine the aggregate amount of electrical load (as measured in kilowatts) is $0.2 \times (\text{MEL} \times \text{PF})$, where —

- (a) MEL is the minimum electrical load prescribed by sub-paragraph (1); and
- (b) PF is the power factor of 0.85.

Minimum electrical load and charging points for development with electrical work

4.—(1) For the purpose of section 65(1)(a) of the Act, the minimum electrical load in respect of a development on which electrical work is carried out is determined in accordance with the formula $1.3 \text{ kVA} \times \text{TPL}$, where TPL is the total number of parking lots in the parking places of the development.

(2) For the purpose of section 65(1)(b) of the Act, the minimum number of charging points in the parking places of the development is the number of charging points (called N) that draws the aggregate amount of electrical load (as measured in kilowatts) determined in accordance with the formula prescribed by sub-paragraph (3) and, if N is not a whole number, rounding that number to the next higher whole number.

(3) In sub-paragraph (2), the formula to determine the aggregate amount of electrical load (as measured in kilowatts) is $0.2 \times (\text{MEL} \times \text{PF})$, where —

- (a) MEL is the minimum electrical load prescribed by sub-paragraph (1); and
- (b) PF is the power factor of 0.85.

Made on 6 December 2023.

LOH NGAI SENG
*Permanent Secretary,
Ministry of Transport,
Singapore.*

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(To be presented to Parliament under section 96 of the Electric Vehicles Charging Act 2022).