

# **Ministerial Building Standard MBS 013**

## **Installation of electric vehicle charging stations**

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**Government of  
South Australia**

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## 1.0 SCOPE AND APPLICATION

- 1.1 This Standard is published as a Ministerial Building Standard that forms part of the Building Rules under section 80 of the *Planning, Development and Infrastructure Act 2016* and must be read in conjunction with the requirements of that Act and the *Planning, Development and Infrastructure (General) Regulations 2017*.
- 1.2 The provisions in this Standard apply to covered or underground *electric vehicle charging stations* installed in new or existing standalone Class 7a buildings (carparks), including Class 7a buildings that form part of Class 2 to 9 buildings as defined under the *Building Code*.
- 1.3 The requirements of this Standard are additional to those required by the *Building Code* and do not override any of the *Building Code* provisions.
- 1.4 Unless otherwise stated, a reference to the *Building Code* or an Australian Standard in this Standard is a reference to the edition current at the time of application.
- 1.5 The provisions of this Standard apply from 1 July 2026.

## 2.0 ELECTRIC VEHICLE CHARGING STATIONS – INSTALLATION REQUIREMENTS

### 2.1 Location of electric vehicle charging stations

*Electric vehicle charging stations* must be located:

- (a) at ground level where possible,
- (b) near a sprinkler protection system, where such a system is present in, or proposed for, the building,
- (c) along *external walls* close to, or adjacent roads, laneways and other open space used by the *fire authority* for fire-fighting purposes,
- (d) a minimum 5m clearance from lift shafts, stairwells, paths of travel to *exits*, equipment intended for use by *fire authorities* and areas where flammable or combustible materials may be stored; and
- (e) with a minimum 5m distance between the *electric vehicle charging stations*.

### 2.2 Signage

- (a) In addition to *exit* signage required by the *Building Code*, signage must be installed that –
  - (i) indicates the location and type of *electric vehicle charging stations* within the building,
  - (ii) directs *fire authorities* to the *electric vehicle charging stations* in the building; and
  - (iii) indicates that in the event of an electric vehicle fire, available fire hose reels should not be used to fight the fire.

- (b) Signage *required* by **(a)(i)** must be located –
- (i) Where a fire indicator panel is installed in the building, adjacent to the fire indicator panel or at vehicle entry points to the building; or
  - (ii) Where no fire indicator panel is present, at vehicle entry points to the building.

### 2.3 Master electrical isolation switch

A master electrical isolation switch that isolates power to the *electrical vehicle charging stations* must be installed –

- (a) Where a fire indicator panel is installed in the building, adjacent to the fire indicator panel or the primary vehicle entry point to the building; or
- (b) Where no fire indicator panel is present, at the primary vehicle entry point to the building.

### 2.4 Collision protection

*Electric vehicle charging stations* must be protected from collision by installing steel bollards located a minimum of 500mm from the *electric vehicle charging station*, measure a minimum 76mm diameter and be a minimum height of 900mm.

## 3.0 INTERPRETATION

**Building Code** has the same meaning as defined in section 3 of the Act.

**Electric vehicle charging station** means a standalone or mounted device or system with one or more charging ports and connectors that provide electrical power to recharge an electric vehicle.

**Exit** has the same meaning as the *Building Code*.

**External wall** means the outer wall of a building.

**Fire authority/ies** means the Metropolitan Fire Service of the Country Fire Service.

**Required** means required by this Standard or the *Building Code*.