

Australian Standard[®]

Electric road vehicles—Terminology



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- Australasian Road Rescue Organisation
 - Australian Automobile Association
 - Australian Electric Vehicle Association
 - Australian Industry Group
 - Auto Skills Australia
 - Better Place
 - Chargepoint
 - Consumers Federation of Australia
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 - Department of Resources, Energy and Tourism
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 - Electrical Regulatory Authorities Council
 - Federal Chamber of Automotive industries
 - National Association of Testing Authorities Australia
 - Office of Environment and Heritage, NSW
 - State of Victoria Department of Transport
 - Victorian Automobile Chamber of Commerce
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PREFACE

This Standard was prepared by the Standards Australia Committee EVO-001, Electric Vehicle Operations.

The objective of this Standard is to establish common terminology for use in the Australian electric vehicle industry as it pertains to electric vehicles. By setting these definitions, related standards for electric vehicle operations can be established using the same vocabulary, thereby minimising the risk of confusion being created amongst industry stakeholders and the wider community.

This Standard is an adoption with national modifications and has been reproduced from ISO 8713:2005, *Electric road vehicles—Vocabulary*, and has been varied as indicated to take account of Australian conditions. Modifications are set out in Appendix ZZ.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (b) In the source text 'this International Standard' should read 'this Australian Standard'.
- (c) A full point substitutes for a comma when referring to a decimal marker.

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AUSTRALIAN STANDARD

Electric road vehicles—Terminology**Scope**

This International Standard establishes a vocabulary of terms used in International Standards generally in relation to electric road vehicles. It is not intended to give definitions of all parts within a vehicle, but focuses on terms specific to electric road vehicles.

Figure 1 schematically groups the components of an electric road vehicle.

NOTE The definition of “electric road vehicle” is generally understood. With the development of new technologies for hybrid vehicles, fuel cells and others, appropriate definitions of the expanding family of electric road vehicles require further consideration.

Terms and definitions**1****acceleration ability**

v_1 to v_2

shortest time required to accelerate the vehicle from speed v_1 to speed v_2

2**auxiliary electrical circuit**

electrical circuit (25) supplying vehicle functions other than for propulsion, such as **auxiliary systems** (3)

3**auxiliary system**

on-board vehicle system, other than the **propulsion system** (47), which operates on electrical energy

EXAMPLE Lamp, windscreen-[windshield-]wiper motor, radio.