

SA TS 5397:2024



Technical Specification

# Electric vehicle (EV) chargers for commercial applications



SA TS 5397:2024

This Australian Technical Specification was prepared by EM-001, Electric Vehicle Operation. It was approved on behalf of the Standards Australia's Standards Development and Accreditation Committee on 19 September 2024.

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The following are represented on Committee EM-001:

- ARRB (Australian Road Research Board)
- Australian Automobile Association
- Australian Automotive Aftermarket Association
- Consumers Federation of Australia
- CSIRO
- Department of Climate Change, Energy, the Environment and Water
- Department of Transport (WA)
- Department of Transport and Main Roads (QLD)
- Electric Regulatory Authorities Council, Australia
- Electrical Trade Union (Vic)
- Electric Vehicle Council
- Energy Networks Australia
- Engineers Australia
- Federal Chamber of Automotive Industries
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## Technical Specification

# **Electric vehicle (EV) chargers for commercial applications**

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## Preface

This Technical Specification was prepared by the Standards Australia Committee EM-001, Electric Vehicle Operation.

The objective of this document is to provide consumers with advice and recommendations for planning, installation and ongoing operations, and maintenance of electric vehicle (EV) chargers for commercial applications in the Australian context.

In line with Standardisation Guide 003, this Technical Specification has a medium level of transparency and a low level of consensus. This document has undergone a peer review and not a full public comment process.

The electric vehicle (EV) industry is rapidly evolving. This Technical Specification serves as initial guidance. Further iterations or revisions, including public consultation, may be necessary to adequately address the technological advancements that are expected to occur in the sector.

The terms “normative” and “informative” are used in Standards (and other publications) to define the application of the appendices to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

NOTE 1 This document includes advice on electrical safety; however, the user of this document needs to refer to relevant federal, State and Territory, and local regulations and other Standards to determine legal requirements as applicable.

NOTE 2 Australian Standards are voluntary, and do not include contractual, legal or statutory requirements, with which Standards users are understood to conform to, and which take precedence.

The development of the EV charger specifications is an initiative of the NSW Department of Climate Change, Energy, the Environment and Water in collaboration with Transport for NSW. This important work has been facilitated through Standards Australia and aligns with the NSW Government's Net Zero Plan Stage 1: 2020–2030.

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