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AS IEC 61851.23:2014
IEC 61851-23, Ed. 1.0 (2014)

AS IEC 61851.23:2014

Australian STANDARD

Electric vehicle conductive charging system

Part 23: D.C. electric vehicle charging station

STANDARDS Australia

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This Australian Standard® was prepared by Committee EM-001, Electric Vehicle Operation. It was approved on behalf of the Council of Standards Australia on 3 June 2014.
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- Australasian Road Rescue Organisation
- Australian Automobile Association
- Australian Electric Vehicle Association
- Australian Industry Group
- Auto Skills Australia
- ChargePoint
- Consumers Federation of Australia
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- Energy Networks Association
- Federal Chamber of Automotive Industries
- Motor Trades Association of Australia
- National Association of Testing Authorities Australia
- Transport for NSW
- Tritium
- Victorian Automobile Chamber of Commerce

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Australian Standard®

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Part 23: D.C. electric vehicle charging station

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PREFACE

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

The objective of this Standard is to, together with IEC 61851-1, Ed. 2.0 (2010), give the requirements for d.c. electric vehicle (EV) charging stations, herein also referred to as 'DC charger', for conductive connection to the vehicle, with an a.c. or d.c. input voltage up to 1 000 V a.c. and up to 1 500 V d.c. according to IEC 60038.

This Standard is identical with, and has been reproduced from IEC 61851-23, Ed. 1.0 (2014), *Electric vehicle conductive charging system*—Part 23: *D.C. electric vehicle charging station.*

This Standard is to be read in conjunction with IEC 61851-1, Ed. 2.0 (2010).

The clauses of particular requirements in this Standard supplement or modify the corresponding clauses in IEC 61851-1, Ed. 2.0 (2010). Where the text of subsequent clauses indicates an '*addition*' to or a '*replacement*' of the relevant requirement, test specification or explanation of Part 1, these changes are made to the relevant text of Part 1, which then becomes part of this Standard. Where no change is necessary, the words 'This clause of Part 1 is applicable' are used. Additional clauses, tables and figures which are not included in Part 1 have a number starting from 101. Additional annexes are lettered AA, BB etc.

In this Standard, the following print types are used:

– *test specifications and instructions regarding application of Part 1: italic type*.

– notes: smaller roman type.

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

(a) In the source text 'this part of IEC 61851' should read 'this Australian Standard'.

(b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

Reference to International Standard		*Australian/New Zealand Standard*	
IEC		AS/NZS	
60950	Information technology equipment—Safety	60950	Information technology equipment—Safety
60950-1	Part 1: General requirements	60950.1	Part 1: General requirements (IEC 60950-1, Ed. 2.0 (2005), MOD)
61558	Safety of power transformers, power supplies, reactors and similar products	61558	Safety of Power Transformers, Power Supplies, Reactors and Similar Products
61558-1	Part 1: General requirements and tests	61558.1	Part 1: General requirements and tests (IEC 61558-1 Ed 2.1, MOD)
		AS	
62052	Electricity metering equipment (AC)—General requirements, tests and test conditions	62052	Electricity metering equipment (AC)—General requirements, tests and test conditions
62052-11	Part 11: Metering equipment	62052.11	Part 11: Metering equipment (IEC 62052-11, Ed.1.0 (2003) MOD)

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IEC		AS	
62053	Electricity metering equipment (a.c.)—Particular requirements	62053	Electricity metering equipment (AC)—Particular requirements
62053-21	Part 21: Static meters for active energy (classes 1 and 2)	62053.21	Part 21: Static meters for active energy (classes 1 and 2) (IEC 62053-21, Ed.1.0 (2003) MOD)

Only normative references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex to which they apply. A ‘normative’ annex is an integral part of a Standard, whereas an ‘informative’ annex is only for information and guidance.

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