



Electricity metering equipment (ac)— Particular requirements

Part 23: Static meters for reactive energy (classes 2 and 3) (IEC 62053-23:2016 (ED.1.1) MOD)



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 - Australian Energy Council
 - Australian Energy Market Operator
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 - Consumers Federation of Australia
 - Electrical Regulatory Authorities Council
 - Energy Networks Australia
 - National Electrical and Communications Association
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-

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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Part 23: Static meters for reactive energy (classes 2 and 3) (IEC 62053-23:2016 (ED.1.1) MOD)

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PREFACE

This Standard was prepared by the Standards Australia Committee EL-011, Electricity Metering Equipment, to supersede AS 62053.23—2006, *Electricity metering equipment (ac)—Particular requirements—Part 23: Static meters for reactive energy (classes 2 and 3)*.

The objective of this Standard is to communicate to users, and also provide manufacturers with the particular requirements for class 2 and 3 reactive energy static meters intended for use in Australia.

This Standard is an adoption with national modifications and has been reproduced from IEC 62053-23:2003+AMD.1:2016 CSV (ED.1.1), *Electricity metering equipment (a.c.)—Particular requirements, Part 23: Static meters for reactive energy (classes 2 and 3)*. ‘CSV’ stands for ‘consolidated version’ whereby IEC Amendment 1:2016 has been incorporated into the source text.

The Australian variations to the IEC source text are listed in Appendix ZZ.

This Standard is structured as follows:

- (a) Preface.
- (b) IEC 62053-23:2016, (ED.1.1) (unedited from the Contents page to the final clause of the source document).
- (c) Appendix ZZ, containing variations to IEC 62053-23:2016, (ED.1.1) for application in Australia.

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

- (i) In the source text ‘this part of IEC 62053’ should read ‘this Australian Standard’.
- (ii) A full point should be substituted for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific standards.

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

This Standard belongs to the programme of adoptions of IEC 62052 and IEC 62053 series Standards on electricity metering equipment. Existing adoptions have been updated and a new Part (AS 62053.24) in the series has been added. The current adoptions comprise the following:

AS 62052.11 (General meter requirements). Modified adoption of IEC 62052-11:2016 (ED.1.1).

AS 62052.21 (Tariff and load control). Modified adoption of IEC 62052-21:2016 (ED.1.1).

AS 62053.21 (Class 1/ 2 kWh). Modified adoption of IEC 62053-21:2016 (ED.1.1).

AS 62053.22 (Class 0.2/0.5 kWh). Modified adoption of IEC 62053-22:2016 (ED.1.1).

AS 62053.23 (Class 2/3 kvarh). Modified adoption of IEC 62053-23:2016 (ED.1.1) (this Standard).

AS 62053.24 (Class 1.0/0.5 kvarh). Modified adoption of IEC 62053-24:2016 (ED.1.1).

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FOREWORD

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This Consolidated version of IEC 62053-23 bears the edition number 1.1. It consists of the first edition (2003-01) [documents 13/1284/FDIS and 13/1291/RVD] and its amendment 1 (2016-11) [documents 13/1696/FDIS and 13/1710/RVD]. The technical content is identical to the base edition and its amendment.

This Final version does not show where the technical content is modified by amendment 1. A separate Redline version with all changes highlighted is available in this publication.

International Standard IEC 62053-23 has been prepared by IEC technical committee 13: Equipment for electrical energy measurement and load control.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of the base publication and its amendment will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 2 years from the date of publication.