

Australian Standard[®]

Uninterruptible power systems (UPS)

**Part 3: Method of specifying the
performance and test requirements**



This Australian Standard® was prepared by Committee EL-027, Power Electronics. It was approved on behalf of the Council of Standards Australia on 16 April 2012. This Standard was published on 30 April 2012.

The following are represented on Committee EL-027:

- Australian Communications and Media Authority
 - Australian Industry Group
 - Bureau of Steel Manufacturers of Australia
 - RMIT University
-

This Standard was issued in draft form for comment as DR AS IEC 62040.3.

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.

Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting www.standards.org.au

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

Australian Standard[®]

Uninterruptible power systems (UPS)

Part 3: Method of specifying the performance and test requirements

Originated as AS 62040.3—2002.
Revised and designated as AS IEC 62040.3—2012.

COPYRIGHT

© Standards Australia Limited

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 74342 098 0

PREFACE

This Standard was prepared by the Standards Australia Committee EL-027, Power Electronics, to supersede AS 62040.3—2002, *Uninterruptible power systems (UPS)—Part 3: Method of specifying the performance and test requirements*.

The objective of this Standard is to provide manufacturers, designers and users with a means of specifying performance and test requirements of a complete uninterruptible power system.

This Standard is identical with, and has been reproduced from IEC 62040-3, Ed.2.0 (2011), *Uninterruptible power system (UPS), Part 3: Method of specifying the performance and test requirements*.

IEC 62040-3 Ed.2.0 (2011) contained errors in Table 3, sub-clauses 6.2.2.6, 6.4.1.2, and Figure A.7. A corrigendum was issued by IEC in September 2011 to rectify these errors. The Corrigendum 1 has been added at the end of the source text.

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/New Zealand Standard’.
- (c) 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:

<i>Reference to International Standard</i>		<i>Australian or Australian/New Zealand Standard</i>	
IEC		AS	
60038	IEC standard voltages	60038	Standard voltages
60068	Environmental testing	60068	Environmental testing
60068-2-1	Part 2-1: Tests—Test A: Cold	60068.2.1	Part 2.1: Tests—Test A: Cold
60068-2-2	Part 2-2: Tests—Test B: Dry heat	60068.2.2	Part 2.2: Tests—Test B: Dry heat
60068-2-27	Part 2-27: Tests—Test Ea and guidance: Shock	60068.2.27	Part 2.27: Tests—Test Ea and guidance: Shock
60068-2-78	Part 2-78: Tests—Test Cab: Damp heat, steady state	60068.2.78	Part 2.78: Tests—Test Cab: Damp heat, steady state
60146	Semiconductor converters—	60146	Semiconductor converters
60146-2	Part 2: Self-commutated semiconductor converters including direct d.c. converters	60146.2	Part 2: Self-commutated semiconductor converters including direct d.c. converters
		AS/NZS	
60950	Information technology equipment—Safety	60950	Information technology equipment—Safety
60950-1	Part 1: General requirements	60950.1	Part 1: General requirements
60990	Methods of measurement of touch current and protective conductor current	60990	Methods of measurement of touch current and protective conductor current

IEC		AS/NZS	
61000	Electromagnetic compatibility (EMC)	61000	Electromagnetic compatibility (EMC)
61000-2-2	Part 2-2: Environment—Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems	61000.2.2	Part 2.2: Environment—Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems
61000-3-2	Part 3-2: Limits—Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	61000.3.2	Part 3.2: Limits—Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
61000-3-4	Part 3-4: Limits—Limitation of emission of harmonic currents in low-voltage power supply systems for equipment with rated current greater than 16 A	61000.3.4	Part 3.4: Limits—Limitation of emission of harmonic currents in low-voltage power supply systems for equipment with rated current greater than 75 A
61000-3-12	Part 3-12: Limits—Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase	61000.3.12	Part 3.12: Limits—Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase
61000-4-30	Part 4-30: Testing and measurement techniques—Power quality measurement methods	61000.4.30	Part 4.30: Testing and measurement techniques—Power quality measurement methods
61672	Electroacoustics—Sound level meters	61672	Electroacoustics—Sound level meters
61672-1	Part 1: Specifications	61672.1	Part 1: Specifications
62040	Uninterruptible power systems (UPS)	62040	Uninterruptible power systems (UPS)
62040-2	Part 2: Electromagnetic compatibility (EMC) requirements	62040.2	Part 2: Electromagnetic compatibility (EMC) requirements

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.

This is a free preview. Purchase the entire publication at the link below:

AS IEC 62040.3 : 2012 : EN PDF

-
- ⊙ Looking for additional Standards? Visit SAI Global Infostore
 - ⊙ Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-

Need to speak with a Customer Service Representative - Contact Us