

Australian/New Zealand Standard™

Electromagnetic compatibility (EMC)

**Part 3.2: Limits—Limits for harmonic
current emissions (equipment input
current ≤ 16 A per phase)**



AS/NZS 61000.3.2:2013

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AS/NZS 61000.3.2:2013

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Electromagnetic compatibility (EMC)

Part 3.2: Limits—Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-034, Power Quality, to supersede AS/NZS 61000.3.2:2007, *Electromagnetic compatibility (EMC), Part 3.2: Limits—Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) (IEC 61000-3-2, Ed. 3.0 (2005) MOD)*.

The objective of this Standard is to provide manufacturers and suppliers of electricity and users of electrical equipment intended for connection to an electrical network with limits for voltage disturbances and harmonics produced by that equipment and the methods for ascertaining compliance to them in order to maintain electromagnetic compatibility within the electrical network.

FOR AUSTRALIA: This Standard is identical with and has been reproduced from IEC 61000-3-2, Ed. 3.2 (2009), *Electromagnetic compatibility (EMC), Part 3-2: Limits—Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)*.

FOR NEW ZEALAND: This Standard is an adoption with national modifications and has been reproduced from IEC 61000-3-2, Ed. 3.2 (2009), *Electromagnetic compatibility (EMC), Part 3-2: Limits—Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)* and has been varied as indicated to take account of New Zealand conditions. The modifications are specified in Appendix ZZ.

The consolidated version of IEC 61000-3-2, Ed. 3.2 (2009) consists of the third edition of IEC 61000-3-2 (2005), its Amendment 1 (2008) and Amendment 2 (2009). The amended text is indicated by a vertical line in the margin. The contents of the IEC corrigendum of August 2009 have also been included in this consolidated version.

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

- (a) The International Standard number appears only on the cover.
- (b) In the source text ‘this part of IEC 61000’ 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/New Zealand Standard</i>	
IEC		AS	
60974	Arc welding equipment	60974	Arc welding equipment
60974-1	Part 1: Welding power sources	60974.1	Part 1: Welding power sources (IEC 60974-1:2000, MOD)
		AS/NZS	
60155	Glow-starters for fluorescent lamps	60155	Glow-starters for fluorescent lamps
60335	Household and similar electrical appliances	60335	Household and similar electrical appliances
60335-2-2	Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances	60335.2.2	Part 2.2: Particular requirements for vacuum cleaners and water-suction cleaning appliances (IEC 60335-2-2 Ed. 5.2, MOD)
60335-2-14	Part 2-14: Particular requirements for kitchen machines	60335.2.14	Part 2.14: Particular requirements for kitchen machines (IEC 60335-2-14, Ed. 5.0 MOD)

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
61000-3-12	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 for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase
61000-4-7	Part 4-7: Testing and measurement techniques—General guide on harmonics and interharmonics measurements and instrumentation, for power supply systems and equipment connected thereto	61000.4.7	Part 4.7: Testing and measurement techniques—General guide on harmonics and interharmonics measurements and instrumentation, for power supply systems and equipment connected thereto
IEC/TS			
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

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

The term 'normative' has been used in this Standard to define the application of the annex to which it applies. A 'normative' annex is an integral part of a Standard.

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