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Australian Standard™

Uninterruptible power systems (UPS)

Part 1.1: General and safety requirements for UPS used in operator access areas

Standards Australia

This Australian Standard was prepared by Committee EL-027, Power Electronics. It was approved on behalf of the Council of Standards Australia on 29 July 2003 and published on 3 October 2003.

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PREFACE

This Standard was prepared by the Standards Australia Committee EL-027, Power Electronics.

The objective of this Standard is to provide designers, manufacturers, owners and operators with general and safety requirements for Uninterruptible Power Systems (UPS) with a low voltage a.c. output intended to be installed in operator accessible areas.

This Standard is identical with, and has been reproduced from, IEC 62040-1-1:2002, *Uninterruptible power systems (UPS), Part 1-1: General and safety requirements for UPS used in operator access areas* including Corrigendum 1 (December 2002). This Standard is to be read in conjunction with AS/NZS 60950.1 *Information technology equipment—Safety, Part 1: General requirements*.

To assist users of this Standard, the definitions for connection of the supply and insulation classes from AS/NZS 60950.1 have been added as notes to clauses 3.4 and 3.8 respectively.

This Standard is part of a series, which consists of the following:

AS	
62040	Uninterruptible power systems (UPS)
62040.1.1	Part 1.1: General and safety requirements for UPS used in operator access areas (this Standard)
62040.1.2	Part 1.2: General and safety requirements for UPS used in restricted access locations
62040.2	Part 2: Electromagnetic compatibility (EMC) requirements
62040.3	Part 3: Method of specifying the performance and test requirements

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