

Australian Standard[®]

Arc welding equipment

**Part 1: Welding power sources
(IEC 60974-1:2000, MOD)**



This Australian Standard® was prepared by Committee EL-019, Electrical Welding Plant. It was approved on behalf of the Council of Standards Australia on 19 July 2006. This Standard was published on 25 August 2006.

The following are represented on Committee EL-019:

- Australian Chamber of Commerce and Industry
 - Australian Industry Group
 - Australian Manufacturing Workers Union
 - Electrical Regulatory Authorities Council
 - Welding Technology Institute of Australia
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This Standard was issued in draft form for comment as DR 05367.

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 public comment period.

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(IEC 60974-1:2000, MOD)**

Originated as AS C97—1942, and AS1966.3—1990.
AS C97 revised and redesignated AS 1966—1976.
AS 1966 revised and redesignated AS 1966.1—1985 and
AS 1966.2—1985.
AS 1966.1—1985, AS 1966.2—1985 and AS 1966.3-1990 revised and
redesignated AS 60974.1—2006.

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Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 7695 7

PREFACE

This Standard was prepared by Standards Australia Committee EL-019, Electrical Welding Plant, to supersede AS 1966.1—1985, *Electric arc welding power sources—Transformer type*, AS 1966.2—1985, *Electric arc welding power sources—Rotary type* and AS 1966.3—1990, *Electric arc welding power sources—Plasma arc cutting and welding types*.

The objective of this Standard is to specify requirements for arc welding power sources designed for professional and industrial use.

This Standard is an adoption with national modifications and has been reproduced from IEC 60974-1:2000, *Arc welding equipment, Part 1: Welding power sources*, including its Amendment 2:2003, and has been varied as indicated to take account of Australian conditions.

Variations to IEC 60974-1:2000 are indicated at the appropriate places throughout this Standard. Strikethrough (~~example~~) identifies IEC text, tables and figures which, for the purposes of this Standard, are deleted. Where text, tables or figures are added, each is set in its proper place and identified by shading (example). Added figures are not themselves shaded, but are identified by a shaded border.

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