

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Arc welding equipment –
Part 1: Welding power sources**

**Matériel de soudage à l'arc –
Partie 1: Sources de courant de soudage**



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ARC WELDING EQUIPMENT –**Part 1: Welding power sources****FOREWORD**

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This sixth edition cancels and replaces the fifth edition published in 2017 and Amendment 1:2019. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) Table 1 with an alphabetical cross-reference listing of terms added;
- b) CLEARANCE and CREEPAGE DISTANCE reference document changed to IEC 60664-1:2020;
- c) 6.1.2 and 6.1.3 modified to follow IEC 60664-1 BASIC INSULATION dimensioning for mains supply with rationalized voltages;
- d) abnormal capacitor test of 6.2.2 moved to new Subclause 9.5;
- e) 6.2.5 and 6.3.6 modified to use TOUCH CURRENT measuring network weighted for letgo-immobilization and supply voltage tolerance requirement added;
- f) 16.3 new structure and accuracy requirement for displayed voltage value;

- g) Annex A changed to normative and Table A.2 and Table A.3 added;
- h) Annex L editorial update to standardized symbols;
- i) redraft of efficiency and IDLE STATE power measurement in Annex M based on IEC 62301:2011;
- j) Annex N measurement network weighted for letgo-immobilization added.

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Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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