

Safety in electroheat installations —

Part 6: Specifications for safety in industrial microwave heating equipment

The European Standard EN 60519-6:2002 has the status of a British Standard

ICS 25.180.10

National foreword

This British Standard is the official English language version of EN 60519-6:2002. It is identical with IEC 60519-6:2002.

The UK participation in its preparation was entrusted to Technical Committee PEL/27, Electroheating, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 3 July 2003

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 14, an inside back cover and a back cover.

The BSI copyright date displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

© BSI 3 July 2003

ISBN 0 580 42181 3

EUROPEAN STANDARD

EN 60519-6

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2002

ICS 25.180.10

English version

Safety in electroheat installations
Part 6: Specifications for safety in industrial microwave
heating equipment
(IEC 60519-6:2002)

Sécurité dans les installations
électrothermiques
Partie 6: Spécifications pour les
installations de chauffage industriel
à hyperfréquences
(CEI 60519-6:2002)

Sicherheit in Elektrowärmeanlagen
Teil 6: Sicherheitsanforderungen
für industrielle Mikrowellen-
Erwärmungsanlagen
(IEC 60519-6:2002)

This European Standard was approved by CENELEC on 2002-10-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CENELEC

European Committee for Electrotechnical Standardization
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Foreword

The text of document 27/324/FDIS, future edition 2 of IEC 60519-6, prepared by IEC TC 27, Industrial electroheating equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60519-6 on 2002-10-01.

This part of EN 60519 shall be used in conjunction with the latest edition of EN 60519-1. It is intended to modify, replace or make additions to EN 60519-1 for particular requirements concerning industrial microwave heating equipment.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2003-07-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2005-10-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60519-6:2002 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61000-3-2	NOTE	Harmonized as EN 61000-3-2:2000 (modified).
IEC 61000-3-3	NOTE	Harmonized as EN 61000-3-3:1995 (not modified).
IEC 61000-3-11	NOTE	Harmonized as EN 61000-3-11:2000 (not modified).
IEC 61000-6-2	NOTE	Harmonized as EN 61000-6-2:2001 (modified).

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INTRODUCTION

IEC 60519 consists of the following parts, under the general title *Safety in electroheat installations*

- Part 1: General requirements
- Part 2: Particular requirements for resistance heating equipment
- Part 3: Particular requirements for induction and conduction heating and induction melting installations
- Part 4: Particular requirements for arc furnace installations
- Part 5: Specifications for safety in plasma installations
- Part 6: Specifications for safety in industrial microwave heating equipment
- Part 7: Particular requirements for installations with electron guns
- Part 8: Particular requirements for electroslag remelting furnaces
- Part 9: Particular requirements for high-frequency dielectric heating installations
- Part 10: Particular requirements for electric surface heating systems for industrial and commercial applications ¹
- Part 11: Particular requirements for installations for electromagnetic stirring, transport or pouring of metal liquids
- Part 21: Particular requirements for resistance heating equipment – Heating and melting glass equipment

This edition of IEC 60519-6 stays as close as possible to IEC 60519-6:1982, which was successfully used over 20 years. It specifies safety requirements for industrial microwave heating equipment and plants specially designed for specific applications, unlike commercial and household microwave heating devices, which are manufactured in series. Such equipment is covered by IEC 60335-2-25 and IEC 60335-2-90.

¹ Under consideration.