



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 50091-1-1:2004**

ICS 29.200

## **UNINTERRUPTIBLE POWER SYSTEMS (UPS)**

### **PART 1-1: GENERAL AND SAFETY**

### **REQUIREMENTS FOR UPS USED IN**

### **OPERATOR ACCESS AREAS**

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## Corrigendum to EN 50091-1-1:1996

English version

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### Subclause 1.5.3

**Replace** the fourth dashed text by:

- loads which could be connected to any standard supply outlets in operator access areas on the equipment, up to the value indicated in the marking required by 1.7.3/RD or 1.7.4/RD

### Subclause 1.8.21

**Replace** the first paragraph by:

Installation instructions shall carry sufficient information, including the basic internal circuit configuration of the UPS, to emphasize its compatibility to power distribution systems (see 1.2.12/RD).

### Subclause 2.1.1

**Replace** the note after the first paragraph by:

NOTE: For SEL. definition see 1.2.8.4/RD and 12.8.5/RD.

### Subclause 2.6.2

**Replace** the second paragraph by:

If a disconnect device interrupts the neutral conductor, it shall simultaneously interrupt all phase conductors.

### Subclause 2.7.1 c)

**Replace** by:

- c) if reliance is placed on protection in the building installation the installation instructions shall comply with 1.7.11/RD except that the pluggable equipment type A, the buildings installation shall be regarded as providing protection in accordance with the rating of the socket and 1.7.11/RD does not apply.
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**EN 50091-1-1**

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Supersedes EN 50091-1:1993

Descriptors: Power electronics, uninterruptible power supply, general requirements, safety requirements

English version

**Uninterruptible power systems (UPS)  
Part 1-1: General and safety requirements for UPS  
used in operator access areas**

Alimentations sans interruption (ASI)  
Partie 1-1: Prescriptions générales et  
règles de sécurité pour les ASI utilisées  
dans des locaux accessibles aux  
opérateurs

Unterbrechungsfreie  
Stromversorgungssysteme (USV)  
Teil 1-1: Allgemeine Anforderungen  
und Sicherheitsanforderungen für USV  
außerhalb abgeschlossener  
Betriebsräume

This European Standard was approved by CENELEC on 1996-07-02. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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## Foreword

This European Standard has been prepared by the CENELEC BTTF 60-4 according to the relevant decisions of the CENELEC Technical Board.

It is to be used in conjunction with EN 60950:1992 and its amendments A1:1993 and A2:1993, *Safety of information technology equipment including electrical business equipment*, which is referred to in this document by "RD".

NOTE : When any item is referred to RD by the phrase "The definitions or the provisions of item /RD apply", this phrase is intended to mean that the definitions or provisions in that item of EN 60950 apply, except any which are clearly inapplicable to uninterruptible power systems.

This Part 1-1 of EN 50091 deals with the general and safety requirements of uninterruptible power systems for use in operator access areas.

The relevant EMC and performance requirements are given in EN 50091-2:1995 and EN 50091-3 (in preparation) respectively.

The text of this European Standard results from the published EN 50091-1:1993 and the Unique Acceptance Procedure on a draft amendment (prA1). The combined text was approved by CENELEC as EN 50091-1-1 on 1996-07-02.

This European Standard replaces EN 50091-1:1993.

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) 1997-06-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 1997-06-01

For products which have complied with EN 50091-1:1993 before 1997-06-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2002-06-01.

This European Standard covers the essential requirements of the Low-voltage directive 73/23/EEC.

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