



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50338:2006

ICS 65.060.70

**SAFETY OF HOUSEHOLD AND SIMILAR
ELECTRICAL APPLIANCES - PARTICULAR
REQUIREMENTS FOR
PEDESTRIAN-CONTROLLED BATTERY
POWERED ELECTRICAL LAWN MOWERS**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50338

August 2006

ICS 65.060.70

Supersedes EN 50338:2000 + A1:2003

English version

**Safety of household and similar electrical appliances -
Particular requirements for pedestrian-controlled battery powered
electrical lawn mowers**

Sécurité des appareils
électrodomestiques et analogues -
Règles particulières pour les tondeuses
à gazon alimentées par batterie et
à conducteur à pied

Sicherheit elektrischer Geräte
für den Hausgebrauch und
ähnliche Zwecke -
Besondere Anforderungen für
handgeführte batteriebetriebene
Rasenmäher

This European Standard was approved by CENELEC on 2005-09-13. 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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

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Foreword

The texts of EN 50338:2000 and its amendment A1:2003, prepared by the Technical Committee CENELEC TC 61F, Safety of hand-held and transportable motor-operated electric tools, have been revised by WG5, Garden appliances, with the aim to delete the non-electrical requirements and refer in that case to EN 836. In addition this draft has been brought in line with EN 60335-1:2002. A first draft was submitted to the Unique Acceptance Procedure in February 2004.

A new draft was submitted to the formal vote and was approved by CENELEC as EN 50338 on 2005-09-13.

This European Standard supersedes EN 50338:2000 + corrigendum December 2000 + A1:2003.

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) 2007-03-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2008-10-01

This standard has to be used in conjunction with EN 60335-1, Household and similar electrical appliances – Safety – Part 1: General requirements and EN 836, Garden equipment – Powered lawnmowers – Safety.

This standard supplements or modifies the corresponding clauses of EN 60335-1, so as to convert it into the European Standard: Safety of household and similar electrical appliances – Particular requirements for pedestrian-controlled battery powered lawn mowers.

When a particular subclause of EN 60335-1 is not mentioned in this standard, that subclause applies as far as is reasonable. When this standard states “addition”, “modification” or “replacement”, the relevant text of EN 60335-1 is to be adapted accordingly.

This European Standard has been prepared under a mandate given to CEN and CENELEC by the European Commission and the European Free Trade Association and supports the essential health and safety requirements of the Machinery Directive. See Annex ZZ.

Other harmonised standards referred to this European Standard are listed in Annex ZC of EN 60335-1 and in this standard. The annex lists the valid edition of those documents at the time of issue of this EN. All references are however to be understood as references to the latest edition.

NOTE 1 The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in EN 60335-1;
- unless notes are in a new subclause or involve notes in EN 60335-1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.

NOTE 2 In this standard the following print types are used:

- Requirements proper;
- *Test specifications*
- Explanatory matter.

Contents

| | | |
|----|--|----|
| 1 | Scope..... | 4 |
| 2 | Normative references | 4 |
| 3 | Definitions | 4 |
| 4 | General requirement..... | 5 |
| 5 | General conditions for the tests | 5 |
| 6 | Classification | 5 |
| 7 | Marking and instructions..... | 6 |
| 8 | Protection against access to live parts..... | 7 |
| 9 | Starting a motor-operated appliance..... | 7 |
| 10 | Power input and current | 7 |
| 11 | Heating | 7 |
| 12 | Void..... | 7 |
| 13 | Leakage current and electric strength at operating temperature..... | 7 |
| 14 | Transient overvoltages | 7 |
| 15 | Moisture resistance | 8 |
| 16 | Leakage current and electric strength..... | 8 |
| 17 | Overload protection of transformers and associated circuits | 8 |
| 18 | Endurance..... | 8 |
| 19 | Abnormal operation | 8 |
| 20 | Stability and mechanical hazards | 8 |
| 21 | Mechanical strength | 9 |
| 22 | Construction | 9 |
| 23 | Internal wiring..... | 10 |
| 24 | Components | 10 |
| 25 | Supply connection and external flexible cords | 10 |
| 26 | Terminals for external conductors..... | 10 |
| 27 | Provision for earthing | 10 |
| 28 | Screws and connections..... | 10 |
| 29 | Clearances, creepage distances and solid insulation | 10 |
| 30 | Resistance to heat and fire..... | 10 |
| 31 | Resistance to rusting..... | 10 |
| 32 | Radiation, toxicity and similar hazards..... | 10 |
| | Annex B (normative) Appliances powered by rechargeable batteries..... | 11 |
| | Annex AA (normative) Pictograms..... | 11 |
| | Annex ZZ (informative) Coverage of Essential Requirements of EC Directives | 12 |
| | Bibliography..... | 12 |
| | Figure AA.1 Pictogram illustrating “Beware of sharp blades. Blades continue to rotate after the motor is switched off – Remove disabling device before maintenance”..... | 11 |

1 Scope

This clause of EN 60335 Part 1 is replaced by the following:

This standard specifies safety requirements and their verification for the design and construction of pedestrian controlled battery powered electrical cylinder or rotary lawnmowers with a rated voltage of the battery being not more than 42 V d.c.

This standard does not apply to

- non-powered lawnmowers,
- rotary lawnmowers for which the cutting means is a generally circular central drive unit on which are mounted, either one or more non-metallic filaments or one or more non-metallic, pivotally mounted cutting elements. These cutting elements rely on centrifugal force to achieve cutting, with the kinetic energy of a single cutting element not exceeding 10 J,
- mains operated electrical lawnmowers.

Requirements for battery chargers, including those incorporated into the machine, are dealt with in EN 60335-2-29.

This standard is not applicable to lawnmowers which are manufactured before the date of publication of this document by CENELEC.

2 Normative references

This clause of EN 60335-1 is applicable except as follows.

Addition:

EN 836, *Garden equipment – Powered lawnmowers – Safety*

EN ISO 12100-1; *Safety of machinery – Basic concepts, general principles for design – Part 1: Basic terminology and methodology*

EN ISO 12100-2, *Safety of machinery – Basic concepts, general principles for design – Part 2: Technical principles*

EN 60335-2-29, *Household and similar electrical appliances – Safety – Part 29: Particular requirements for battery chargers* (IEC 60335-2-29)

3 Definitions

This clause of EN 60335-1 is applicable except as follows.

Addition:

3.101

disabling device

a part which is removable from the lawnmower, such as for example a key, which prevents operation of the lawnmower when it is removed

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