



IEC 62841-4-11

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# INTERNATIONAL STANDARD

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**Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety -  
Part 4-11: Particular requirements for edgers**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Electric motor-operated hand-held tools, transportable tools and  
lawn and garden machinery - Safety -  
Part 4-11: Particular requirements for edgers**

## FOREWORD

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IEC 62841-4-11 has been prepared by IEC technical committee 116: Safety of motor-operated electric tools. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
116/945/FDIS	116/974/RVD

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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

This document is to be used in conjunction with the first edition of IEC 62841-1:2014 and IEC 62841-1:2014/AMD1:2025.

This document supplements or modifies the corresponding clauses in IEC 62841-1:2014, so as to convert it into the IEC Standard: Particular requirements for edgers.

Where a particular subclause of IEC 62841-1:2014 is not mentioned in this document, that subclause applies as far as reasonable. Where this document states "addition", "modification" or "replacement", the relevant text in IEC 62841-1 is to be adapted accordingly.

The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type.

The terms defined in Clause 3 are printed in **bold typeface**.

Subclauses, notes, tables and figures which are additional to those in IEC 62841-1:2014 are numbered starting from 101.

Subclauses, notes, tables and figures in Annex K and Annex L which are additional to those in the main body of this document are numbered starting from 301.

NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations can need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 36 months from the date of publication.

A list of all parts in the IEC 62841 series, published under the general title *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under [webstore.iec.ch](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

## 1 Scope

IEC 62841-1:2014, Clause 1 is applicable, except as follows:

*Addition:*

This document applies to the following types of **edgers**

- **hand-held edgers** having at least one ground-support;
- **walk-behind edgers** and **walk-beside edgers**, where the plane of the **blade-tip circle** is designed to operate at not more than 15° from the vertical.

The **edgers** to which this document applies have a **blade-tip circle** diameter of not more than 305 mm, and are equipped with a

- **cutting accessory**; or
- **cutting means** with one or more **cutting elements** pivotally mounted on a generally circular drive unit and have a kinetic energy for each single **cutting element** of greater than 10 J.

NOTE 101 Machines having **cutting elements** with a kinetic energy not exceeding 10 J are considered to be lawn edge trimmers and are covered by IEC 62841-4-4.

This document does not apply to

- lawn trimmers, lawn edge trimmers, grass trimmers, brush cutters and brush saws;
- scissor type **edgers** and brush cutters; and
- machines equipped with metallic **cutting accessories** consisting of more than one piece, e.g. pivoting chains or flail blades.

NOTE 102 Lawn trimmers, lawn edge trimmers, brush cutters and brush saws are covered by IEC 62841-4-4.

NOTE 103 Scissor type **edgers** and brush cutters will be covered by a future part of IEC 62841.

NOTE 104 In Europe (EN IEC 62841-4-11), this document does not apply to **edgers** equipped with **integral batteries**.

## 2 Normative references

IEC 62841-1:2014, Clause 2 and IEC 62841-1:2014/AMD1:2025, Clause 2 are applicable, except as follows.

*Replacement:*

ISO 3744:2025, *Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane but the listed edition applies*

IEC 60664-1:2020, *Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests*

ISO 11201:2010, *Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections*

## Bibliography

The bibliography of IEC 62841-1:2014 and of IEC 62841-1:2014/AMD1:2025 are applicable, except as follows.

*Delete:*

IEC 60664-3, *Insulation coordination for equipment within low-voltage systems - Part 3: Use of coating, potting or moulding for protection against pollution*

*Addition:*

IEC 60320-2-3:2018, *Appliance couplers for household and similar general purposes – Part 2-3: Appliance couplers with a degree of protection higher than IPX0*

IEC 62841-4-4, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-4: Particular requirements for lawn trimmers, lawn edge trimmers, grass trimmers, brush cutters and brush saws*

ANSI/NFPA 70, *National Electrical Code*

ISO 3305:1985, *Plain end welded precision steel tubes - Technical conditions for delivery*

ISO 3306:1985, *Plain end as-welded and sized precision steel tubes - Technical conditions for delivery*

ISO 4200, *Plain end steel tubes, welded and seamless - General tables of dimensions and masses per unit length*

CSA C22.1, *Canadian Electrical Code, Part I - Safety Standard for Electrical Installations*

EN IEC 62841-4-11, *Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-11: Particular requirements for edgers<sup>2</sup>*

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<sup>2</sup> To be published. Stage at CENELEC at the time of publication: FprEN IEC 62841-4-11.