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**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB/T 3883.211-2021**

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**Safety of motor-operated hand-held, transportable and garden  
tools - Part 211: Particular requirements for hand-held  
reciprocating saws**

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## Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents" Drafting.

This document is part 211 of GB/T 3883 "Safety of Handheld and Portable Electric Tools and Garden Tools". "Handheld, removable

Hand-held power tools in Part 2 of "Safety of Portable Power Tools and Garden Tools", currently consists of the following 7 parts.

---GB/T 3883.201-2017 Safety of hand-held and portable electric tools and garden tools Part 2. Electric drills and impact

Special requirements for electric drills;

---GB/T 3883.202-2019 Safety of hand-held and portable electric tools and garden tools Part 202. Hand-held screws

Special requirements for wire cutters and impact wrenches;

---GB/T 3883.204-2019 The safety of hand-held, portable electric tools and garden tools Part 204. Hand-held non-

Special requirements for disc sander and polishing machine;

---GB/T 3883.205-2019 Safety of hand-held and portable electric tools and garden tools Part 205. Hand-held circular

Special requirements for saws;

---GB/T 3883.209-2021 Safety of hand-held, portable electric tools and garden tools Part 209. Hand-held attack

Special requirements for threading machine and pipe threading machine;

---GB/T 3883.210-2019 Safety of hand-held and portable electric tools and garden tools Part 210. Hand-held electric tools

Special requirements for planing;

Special requirements for double sawing.

This document replaces GB/T 3883.11-2012 "Safety of hand-held electric tools Part

## 2. Reciprocating saws (jig saws, knife saws)

Compared with GB/T 3883.11-2012, the main technical changes are as follows.

- 1) Test general conditions. increase the description of the quality of the reciprocating saw (see Chapter 5, Chapter 5 of the.2012 edition);
- 2) Marks and instructions. the original 8.12.1.1 was moved to 8.14.1.101, and b) was added; the description of 8.14.2b) and c) was added (see Chapter 8, Chapter 8 of the.2012 edition);
- 3) Abnormal operation. Modify Table 4 of Part 1 (see Chapter 18, Chapter 18 of the.2012 edition);
- 4) Mechanical hazard. the original content of 19.1 is moved to 19.101, and relevant modifications are made (see Chapter 19, Chapter 19 of the.2012 edition);
- 5) Structure. add 21.18.1.1 (see Chapter 21, Chapter 21 of the.2012 edition);
- 6) Components. 23.3 Replacement of the first paragraph (see Chapter 23, Chapter 23 of the.2012 edition);
- 7) Add an informative appendix "Measurement of Noise and Vibration" (see Appendix I).

The translation method used in this document is equivalent to IEC 62841-2-11:2015  
"Electric Motor Driven Handheld and Portable Electric Tools and Gardens

Machine Safety Part 2-11. Particular Requirements for Hand-held Reciprocating Saws.

This document has made the following editorial changes.

---The standard name was revised to "Safety of hand-held, portable electric tools and garden tools Part 211. Hand-held reciprocating saws  
Specific requirements";

---Incorporated the revised content of IEC 62841-2-11:2015/AMD1:2018, 8.14.1.101 and K.8.14.1.101 warning addition

Serial number; 19.1012) Change the sawtooth plane to the center plane of the saw blade, and add Figure 104; add 20.5; add 21.18.1.2 and 21.35

Not applicable; increase by 21.30. The position of the outer margin of the terms involved is marked with a vertical double line (||).

This document shall be in accordance with GB/T 3883.1-2014 "Safety of Handheld and Portable Electric Tools and Garden Tools Part 1. General Requirements"

Seek to be used together.

The "applicable" part of this document indicates that the corresponding clauses in GB/T

3883.1-2014 apply; the "replacement" part of this document,

The terms in this document shall prevail; the part in this document that states "modification" indicates the relevant provisions of GB/T 3883.1-2014

The content shall be subject to the revised content of this document, and the other content in this clause still applies; the "increase" part of this document indicates that in addition to

In addition to complying with the corresponding provisions of GB/T 3883.1-2014, it should also comply with the additional provisions of this document.

This document was proposed by the China Electrical Equipment Industry Association.

This document is under the jurisdiction of the National Electric Tool Standardization Technical Committee (SAC/TC68).

Drafting organizations of this document. Baoshide Technology (China) Co., Ltd., Shanghai Power Tool Research Institute (Group) Co., Ltd., Zhejiang Yate Electric

Co., Ltd., Jiangsu SUMEC Hardware Tools Co., Ltd., Nanjing Deshuo Industrial Co., Ltd., Ruiqi Holding Co., Ltd.

## Introduction

In 2014, my country issued the national standard GB/T 3883.1-2014 "Safety No. of Handheld and Portable Power Tools and Garden Tools"

Part 1. General Requirements, the original GB/T 3883 (part of hand-held power tools), GB/T 13960 (part of portable power tools) and

The common technical requirements of the general safety standards for the three major series of electric tools in GB/T 4706 (only for garden power tools) have been integrated.

There are 3 parts in the special requirements for specific types of small products that are used in conjunction with GB/T 3883.1-2014.

Portable power tools part), part 3 (portable power tools part), and part 4 (garden power tools part), all transform the corresponding country

The specific requirements of the international standard IEC 62841 series.

The main element of the standard name is expanded to "safety of hand-held, portable power tools and garden tools", and the original hand-held power tools are used

Part of the standard number GB/T 3883. The standard sub-part number of each sub-category product consists of three digits, of which the first digit

Indicates the corresponding part, the 2nd and 3rd digits indicate different subcategories.

The new version of the GB/T 3883 series of standards will form a more scientific, complete,