Chinastandards.org

ICS 29.220.20
CCS K84

chinastandards.org - PREVIEW

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 5008.2-2023

Lead-acid starter batteries - Part 2: Dimensions of batteries and dimensions and marking of terminals

起动用铅酸蓄电池 第2部分：产品品种规格和端子尺寸、标记

Issued on: November 27, 2023 **Implemented on: June 1, 2024**

Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC

Preview: page 1 of 3 shown, 40 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-5008-2-2023

Table of Contents

chinastandards.org · PREVIEW

Foreword

This document was drafted in accordance with the provisions of GB/T 1.1-2020 "Directives for standardization - Part

1.Rules for the structure and drafting of standardizing documents". This document is Part 2 of GB/T 5008 "Lead-acid starter batteries". GB/T 5008 has published the following parts. - Part

1 Scope

GB/T 5008.2-2023 is the dimensional standard that makes a car battery replaceable. A starter battery sits in a tray sized for it, is held by a clamp that engages its base or its rim, and connects through terminals whose taper, diameter and polarity position must match the cables - which are cut to length and cannot be stretched. Get any of it wrong and the battery does not fit, or fits and works loose, or forces the positive cable across the vehicle to reach a terminal on the wrong side. Since batteries are replaced several times over a vehicle's life, usually by someone with only the size code to go on, the standardisation of these dimensions is what makes the aftermarket work at all. This part specifies the model designation system and terminal polarity marking, the battery types and classification, and the terminal positions and dimensions for lead-acid starter batteries. Under ICS 29.220.20 and CCS K84, it is written for battery manufacturers, for vehicle makers designing the battery compartment, and for the distributors and workshops who have to match a replacement to a vehicle.

This document specifies the model compilation and terminal polarity marking, battery model and classification, battery terminal position and terminal dimensions of lead-acid

Preview: page 2 of 3 shown, 40 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-5008-2-2023

starter batteries (hereinafter referred to as batteries).

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, for dated references, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies to this document.

3 Terms and definitions

The terms and definitions defined in GB/T 2900.41 apply to this document.

4 Symbols

The names and symbols given in this document are shown in Table 1.

5 Battery model compilation and terminal polarity identification

The battery shall have a polarity identification on the terminal or cover. The symbol of the form "-" shall be used near the negative terminal.

6 Battery classification and model

When the battery mass is less than or equal to 20 kg, it shall be designed to have no handle, one handle, or two handles; when the battery mass is greater than 20 kg, it can The frame and recess are integral parts of the battery trough; the battery can be fixed by means of the bottom of the battery trough.

7 Dimensions of battery terminals

Conical terminal classification T1 or T2 and the dimensions of the positive and negative terminals shall comply with Figure 29 and Table 14.

chinastandards.org - PREVIEW

Preview: page 3 of 3 shown, 40 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-t-5008-2-2023