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In the event of any doubts arising as to the contents,
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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Battery Association of Japan (BAJ)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14. Consequently **JIS D 5301:2006** is replaced with this Standard.

However, **JIS D 5301:2006** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until March 19, 2020.

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Lead-acid starter batteries

Introduction

This Japanese Industrial Standard has been prepared based on **IEC/FDIS 60095-1:2018**, **IEC 60095-2:2009**, Edition 4, and **IEC 60095-4:2008**, Edition 2 with some modifications of the technical contents, which have been made as a result of considerable technological and environmental changes and of the revision of corresponding International Standards over the past ten years since the last revision was made in 2006.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard is applicable to lead-acid batteries with a nominal voltage of 12 V (hereafter referred to as batteries), used for e.g. the starting of internal combustion engines, lighting, ignition of automobiles, etc. This Standard is not applicable to the valve-regulated lead-acid batteries and the lead-acid batteries used for the driving of rolling stock, two-wheeled vehicles, electric vehicles, etc.

NOTE 1 Automobiles, etc. mentioned above, to which this Standard is applicable, indicate industrial vehicles, construction vehicles, agricultural tractors and other vehicles for similar applications in addition to ordinary passenger vehicles.

NOTE 2 The International Standards corresponding to this Standard and the symbol of degree of correspondence are as follows.

IEC/FDIS 60095-1:2018 *Lead-acid starter batteries—Part 1: General requirements and methods of test*

IEC 60095-2:2009 *Lead-acid starter batteries—Part 2: Dimensions of batteries and dimensions and marking of terminals*

IEC 60095-4:2008 *Lead-acid starter batteries—Part 4: Dimensions of batteries for heavy vehicles* (overall evaluation: MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 7414 *Glass thermometers*

JIS B 7507 *Vernier, dial and digital callipers*

JIS B 7525-1 *Hydrometers—Part 1: Density hydrometers*