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Lead-acid batteries for motorcycles

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## Contents

|   | Page |
|---|------|
| Introduction .....  | 1    |
| 1 Scope .....   | 1    |
| 2 Normative references .....  | 1    |
| 3 Terms and definitions .....   | 2    |
| 4 Condition on delivery .....   | 4    |
| 4.1 VRLA battery .....  | 4    |
| 4.2 Flooded battery .....   | 4    |
| 5 General requirements .....  | 4    |
| 5.1 Structure .....   | 4    |
| 5.2 Identification and labelling .....  | 5    |
| 5.3 Marking of polarity .....   | 6    |
| 6 General test conditions .....   | 6    |
| 6.1 Sampling of batteries .....   | 6    |
| 6.2 Charging of batteries .....   | 6    |
| 6.3 Test equipment .....  | 7    |
| 6.4 Test sequence .....   | 8    |
| 7 Test methods .....  | 9    |
| 7.1 10 h capacity test .....  | 9    |
| 7.2 Cranking performance test .....   | 10   |
| 7.3 Charge acceptance test .....  | 10   |
| 7.4 Charge retention test .....   | 10   |
| 7.5 Endurance test .....  | 11   |
| 7.6 Water consumption test .....  | 11   |
| 7.7 Vibration resistance test .....   | 12   |
| 7.8 Cranking performance test for dry-charged batteries .....   | 12   |
| 8 Requirements .....  | 12   |
| Annex A (normative) Battery size .....  | 14   |
| Annex JA (informative) Designation of batteries .....   | 18   |
| Annex JB (informative) Comparison table between JIS and corresponding<br>International Standard ..... | 21   |

## Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry based on the provision of Article 14, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act in response to a proposal for revision of Japanese Industrial Standard with a draft being attached, submitted by Japanese Standards Association (JSA), an accredited standards development organization. This edition replaces the previous edition (**JIS D 5302** : 2004), which has been technically revised.

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# Lead-acid batteries for motorcycles

## Introduction

This Japanese Industrial Standard has been prepared based on **IEC 60095-7 : 2019**, Edition 1 by modifying some of the technical contents in consideration of motorcycles in widespread use in Japan.

Annex JA is unique to **JIS** and not given in the corresponding International Standard.

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 JB.

## 1 Scope

This Standard is applicable to lead-acid batteries (hereafter referred to as batteries) used primarily as a power source for the starting of internal combustion engines, lighting and ignition of motorcycles and other power sport vehicles with a nominal voltage of 12 V or 6 V. This Standard specifies general requirements, as well as size requirements, essential electrical characteristics, relevant test methods and results required. Test definitions and criteria in this Standard are for batteries with a nominal voltage of 12 V only. For batteries with a nominal voltage of 6 V, all voltages have to be divided by two. This Standard covers requirements for flooded batteries and valve regulated lead-acid batteries (VRLA batteries). The other power sports vehicles covered in this Standard are snowmobiles, personal water crafts and all-terrain vehicles (ATV). This Standard is not applicable to batteries for other purposes, such as the back-up power sources, auxiliary equipment of internal combustion engine vehicles and e-bikes.

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

IEC 60095-7 : 2019 *Lead-acid starter batteries — Part 7 : General requirements and methods of test for motorcycle batteries* (MOD)

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

## 2 Normative references

Part or all of the provisions of the following standards, 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*