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**Lead-acid batteries for vehicles with stop
and start system**

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Contents

	Page
Introduction	1
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Classification	5
5 Marking	5
6 Designation of products	7
7 Condition on delivery	7
8 Performance and dimensions	7
9 Test conditions	9
9.1 Sampling of batteries	9
9.2 Charging method	9
9.3 Electrolyte level	9
9.4 Measuring instruments	9
9.5 Test sequence	9
10 Test methods	10
10.1 20 h capacity test	10
10.2 Reserve capacity test	10
10.3 Cold cranking ampere test	10
10.4 Charge acceptance test	10
10.5 Regenerative charge acceptance test	10
10.6 Endurance test	11
10.7 Vibration resistance test	14
10.8 Terminal strength test	14
10.9 Fastening robustness test	14
10.10 Electrolyte retention test	16
10.11 Charge retention test (reference)	16
10.12 Water consumption test (reference)	16
11 Inspection	16
Annex JA (normative) Structure	17
Annex JB (normative) List of battery types	20
Annex JC (informative) Other test methods	21
Annex JD (informative) Comparison table between JIS and corresponding	

International Standard 23

Foreword

This Japanese Industrial Standard has been established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Battery Association of Japan (BAJ)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act.

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Lead-acid batteries for vehicles with stop and start system

Introduction

This Japanese Industrial Standard has been prepared based on IEC 60095-6 : 2019, Edition 1, with some modifications of the technical contents so that it is applicable to vehicles equipped with stop and start system (hereafter referred to as vehicles with stop and start system) which are widely distributed in the Japanese market.

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 JD. Annex JA to Annex JC are unique to JIS and not given in the corresponding International Standard.

1 Scope

This Standard specifies requirements for lead-acid batteries with a nominal voltage of 12 V, used for e.g. the starting of internal combustion engines, lighting and ignition of vehicles with stop and start system. This Standard is not applicable to valve regulated lead-acid batteries (VRLA batteries).

NOTE 1 Vehicles mentioned in this Standard refer to e.g. automobiles specified in JIS D 0101 and do not include commercial vehicles intended for business use such as delivery trucks, taxis, and buses.

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

IEC 60095-6 : 2019 *Lead-acid starter batteries — Part 6 : Batteries for micro-cycle applications* (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

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. For standards with the year indication, only the editions of the indicated year shall be applied and the revisions (including amendments) made thereafter shall not be applied. For those without the indication of the year, the most recent editions (including amendments) 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*

JIS C 1102-2 *Direct acting indicating analogue electrical measuring instruments*