



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

**中华人民共和国国家标准**

GB/T 19751-2005

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**Hybrid Electric Vehicles Safety Specification**  
**混合动力电动汽车安全要求**

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## Contents

|   |   |
|---|---|
| <b>Foreword</b> .....                               | 1 |
| <b>1 Scope</b> .....                                | 1 |
| <b>2 Normative References</b> .....                 | 1 |
| <b>3 Terms and Definitions</b> .....                | 1 |
| <b>4 Requirements</b> .....                         | 2 |
| <b>4.1</b> Structural requirements of vehicles..... | 2 |
| <b>4.2</b> Functional safety specification.....     | 4 |
| <b>4.3</b> Fault protection .....                   | 5 |
| <b>5 User Manual</b> .....                          | 5 |

## Foreword

This Standard refers to *Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train*, ETA HTP001 *Technical requirements for hybrid vehicles*, GB/T 18384 *Electric vehicles-Safety specification* and formulated combined with characteristics of hybrid electric vehicles in China.

This Standard was proposed by National Technical Committee on Road Vehicles of Standardization Administration of China.

This Standard was under the jurisdiction of N National Technical Committee on Road Vehicles of Standardization Administration of China.

Draft units of this Standard are China Automotive Technology and Research Center, Tsinghua University, Dongfeng Electric Vehicle Co., Ltd.

Main drafters of this Standard are Zhao Jingwei, Chen Quanshi, Yang Xiaolun and He Yuntang.

# Hybrid Electric Vehicles Safety Specification

## 1 Scope

This standard specifies the special safety specification for class of M<sup>①</sup> hybrid electric vehicle (the definition of hybrid electric vehicle can see to GB/T 19596).

This standard is applicable to class of M hybrid electric vehicle whose max working voltage of on-board circuit is less than 660 V (AC) or 1000 V (DC) (according to GB 156-1993). The other classes of hybrid electric vehicle can refer to the standard.

## 2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB 156-1993 Standard voltages (neq IEC 38: 1993)

GB 4208 Degrees of protection provided by enclosure (IP code) (GB 4208-1993, eqv IEC 529: 1989)

GB 14023 Vehicles, motorboats and spark-ignited engine-driven devices--Radio disturbance characteristics--Limits and methods of measurement (GB 14023-2000, idt IEC/CISPR12: 1997)

GB 18655 Limits and methods of measurement of radio disturbance characteristics for the protection of receivers used on board vehicles (GB 18655-2005, idt IEC/CISPR25: 1995)

GB/T 17578 Provisions of strength for the superstructure of bus (GB 17578-1998, eqv ECE R66)

GB/T 18384.1 Electric vehicles-Safety specification-Part 1:On-board energy storage

GB/T 18384.3 Electric vehicles-Safety specification-Part 3: Protection of persons against electric hazards

GB/T 18387 Performance levels and methods of measurement of magnetic and electric field strength from electric vehicles, broadband, 9 kHz to 30 MHz (GB 18387-2001, idt SAE J551/5: 1995)

GB/T 19596-2004 Terminology of electric vehicles

GB/T 4094.2-2005 Electric vehicles—Symbols for controls, indicators and tell-tales

## 3 Terms and Definitions

For the purposes of this Standard, the terms and definitions given in GB/T 19596 apply

High voltage

Maximum working voltage greater than or equal to 60V (AC), 25V (DC).

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<sup>①</sup> Definition of Category M see GB/T 15089.

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