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

中华人民共和国国家标准

GB/T 20234.1-2011

Replace GB/T 20234-2006

**Connection set of conductive charging for
electric vehicles—Part 1: General requirements**

电动汽车传导充电用连接装置

第一部分：通用要求

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Foreword

GB/T 20234 *Connection Set of Conductive Charging for Electric Vehicles* consists of three parts:

- Part 1: General Requirements;
- Part 2: Alternative current charging interface;
- Part 3: directive current charging interface;

This part belongs to part 1 in GB/T 20234.

Drafting of this part is based on the drafting regulations in GB/T 1.1—2009.

This part is to replace GB/T 20234—2006 *General Requirements for Plugs, Socket-outlets, Vehicle Connectors and Vehicle Inlets for Conductive Charging for Electric Vehicle*.

This part referenced IEC 62196-1: *Plugs, Socket-outlets, Vehicle Connectors and Vehicle Inlets for Conductive Charging for Electric Vehicles (CDV)*, and based on the domestic situations.

National Technical Committee of Auto Standardization (SAC/TC 114) will administer this part.

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GB/T 20234.1—2011

Connection set of conductive charging for electric vehicles—Part 1: General requirements

1 Scope

This part in GB/T 20234 specifies the definition, requirements, testing methods and testing specifications for Connection set of conductive charging for electric vehicles.

This part applies connection set of conductive charging for electric vehicles, and rated AC Voltage should not over 690 V, and 50 Hz, rated current should not over 250 A; rated DC voltage should not over 1 000 V, and rated current should not over 400 A.

If Connection set of conductive charging used the standardized plugs which could meet the requirements of GB 2099.1, then this part does not apply for these plugs.

Note: vehicles in this part refers to the powered automobile which could be charged externally

2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents quoted with date, only the date quoted documents could apply to this document. For the undated documents so quoted, the latest editions (include all the modifications) shall be applicable to this Standard.

GB 2099.1 Plugs and socket-outlets for household and similar purposes - Part 1: General requirements

GB/T 3956 Conductors of insulated cables

GB 4208 Degrees of protection provided by enclosure (IP code)

GB/T 5013 Rubber insulated cables of rated voltages up to and including 450/750 V

GB/T 5023 Polyvinyl chloride insulated cables of rated voltages up to and including 450/750V

GB/T 11918-2001 Plugs, socket-outlets and couplers for industrial purposes--Part 1: General requirements

GB/T 16916.1 Residual current operated circuit-breakers without integral over current protection for household and similar uses (RCCB)—Part 1:General rules

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