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

**中华人民共和国国家标准**

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**General requirements for electric vehicle  
charging station**

**电动汽车充电站通用要求**

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**Standardization Administration of the People's Republic of  
China**

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## **Foreword**

This Standard is drafted according to the rules specified in GB/T 1.1-2009

This Standard is proposed by National Energy Administration and Ministry of Industry and Information Technology of P.R China.

This Standard is under the jurisdiction of China Electricity Council.

The responsible drafting organizations are State Grid Corporation, China Electric Power Research Institute, State Grid Electric Power Research Institute, China Automotive Technology & Research Center, Shenzhen BYD Automobile Co., Ltd, Beijing Institute of Technology, Beijing Jiaotong University and Harbin Coslight Power Co., Ltd.

The chief drafting staff of this standard includes Jia Junguo, Wu Bin, Wu Shangjie, Zhu Jinda, Ni Feng, Meng Xiangfeng, Zhang Jianhua, Wang Zhenpo and Jiang Jiuchun.

# General requirements for electric vehicle charging station

## 1 Scope

This standard specifies the sitting principles, power-supply system, charging system, supervisor system, electric energy metering, lane, parking space, safety requirements, and signs and marks for electric vehicle charging station (hereinafter referred to as the charging station).

This standard applies to the charging station which carries out conductive charging by using the finished vehicle charging mode as the power storage battery for electric vehicle.

## 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 (including all corrections) or revisions made thereafter shall be applicable to this Standard.

GB/T 14549-1993 Quality of electric energy supply—Harmonics in public supply network

GB/T 18487.1 Electric vehicle conductive charging system--Part 1: General requirements

GB 50016-2006 Code of Design on Building Fire Protection and Prevention

GB 50052 Code for design electric power supply systems

GB 50053 Code for design of 20kV & under electric substation

GB 50054 Code for design of low voltage electrical installations

GB 50057 Design code for protection of structures against lightning

GB 50058 Electrical installations design code for explosive atmospheres and fire hazard

GB 50140 Code for design of extinguisher distribution in buildings



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