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

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GB/T 19826-2005

**General specification and safety requirements for DC
power supply equipment of power projects**

**电力工程直流电源设备
通用技术条件及安全要求**

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Foreword

This Standard is prepared according to domestic main product specifications and user's demand and refers to related clauses defined in IEC 60225 series International Standards.

Annex A of this Standard is normative annex, Annex B and Annex C of this Standard are informative annex.

This Standard is proposed by China Electrical Equipment Industrial Association.

This Standard is under the jurisdiction of National Technical Committee on Measuring Relay and Protective Equipments of Standardization Administration of China.

The responsible drafting organization is National Relay Quality Supervision and Inspection Center.

The participate drafting organizations are North China Power Engineering (Beijing) Co., Ltd, Central Southern China Electric Power Design Institute, East China Electric Power Design Institute, South-West Electric Power Design Institute, Henan Entry-Exit Inspection And Quarantine Bureau, The First Survey and Design Institute of the Railway, The Second Survey and Design Institute of the Railway, The Third Survey and Design Institute of the Railway, The Forth Survey and Design Institute of the Railway, Henan Electric Power Survey & Design Institute, Electric Power of Henan, Zhengzhou Power Supply Bureau, Xuji Power Co., Ltd, Yantai Dongfang Yokelin Electronics Co., Ltd, Shenzhen Auto Electric Power Plant Co., Ltd, Beijing Changhe Mechanical And Electrical Co., Ltd, Zhuhai Titans Energy Technology Group Co., Ltd, Emerson Network Power Co., Ltd.(China), Shanghai Guolan Intelligent Electric Co., Ltd, Wuxi Sida Automatic Control Equipment Factory, Guangzhou Toshiba Baiyun Ryoki Power Electronics Co., Ltd, Shantou Automatic Electric Appliance Group Co., Ltd, Harbin COSLIGHT Electrical Automation Co., Ltd, Shanghai Baolin Electric Group Co., Ltd, Zhejiang Huayuan Electric Co., Ltd and Sichuan Electric Power Test and Research Institute.

The chief drafting staff of this standard includes Li Quanxi, Wu Juye, Li Wei, Zhu Xiaojun,

Qi Chun, Chen Bin, Wang Dianwei, Gong Yansheng, Zhang Kaibo, Ma Lixue, Ke Dimin,
Di Jianfeng, Huang Xiaochuan, Li Hongwei and Zheng Xiaoyuan.

General specification and safety requirements for DC power supply equipment of power projects

1 Scope

This standard specifies the general technical conditions and safety requirements as well as the requirements of inspection method, inspection rule, designation, packaging, transportation and storage and other aspects of the electrical engineering DC power equipments.

This standard applies to the DC power supply equipments (hereinafter referred to as the product) which supply powers for DC control load and DC power load of power plant, substation and other electrical engineering and serves it as the basis of design, manufacturing, testing and use of product.

This standard also applies to the DC power supply devices used by the electrical engineering in metallurgy, petrochemical, railway and other industries. Other DC power supply devices not covered in this standard can use it as reference.

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/T 2423.4-1993 Basic environmental testing procedures for electric and electronic products—Test Db: Damp heat, cyclic (eqv IEC 68-2-30: 1980)

GB/T 2900.1 Electrotechnical terminology Fundamental terms (GB/T 2900.1-1992, neq IEC 60050)

GB/T 2900.11 Terminology of (secondary) cell or battery (GB/T 2900.11-1988, neq IEC 60050(486): 1986)

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