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

GB/T 25966-2010

**Specification of domestic solar water heating systems with
electrical auxiliary heat source**

带电辅助能源的家用太阳能热水系统技术条件

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Foreword

The standards refer to the European Standard EN12976-1.2006 "solar thermal systems and components factories manufacturing system

1 Part 1. General requirements "and EN12976-2.2006" Part 2 of solar thermal systems and components factory-made. Test method". Appendix A of this standard is a normative appendix. This standard by the National Standardization Technical Committee of solar energy (SAC/TC402) and focal points. This standard drafting units. China National Institute of Standardization, the National Solar Water Heater Quality Supervision and Inspection Center (Beijing), Shandong Lok Sang Sun Energy Limited, Himin Solar Energy Group Co., Ltd., Beijing North Purcell Solar Engineering Co., Ltd., Beijing Solar Energy Research Institute Co., Ltd., Jiangsu Huayang Solar Co., Ltd., Jiangsu Sunshine Solar Industry Co., Ltd., Hefei Rongshida Solar Technology Co., Secretary, Shandong power Norit New Energy Co., Ltd., Beijing Tsinghua Solar Energy Development Co., Ltd., Beijing Four Seasons song Mu solar technology Ltd., Zhejiang Meida Solar Energy Industry Co., Ltd., Jiangsu Huaiyin brilliant solar energy, solar energy per liter Jiangsu Group Co., Ltd. Jiangsu light kitchen and toilet Solar Technology Co., Ltd., AO Smith (China) Water Heater Co., the International Copper Association (China), Beijing days Sun Yun Technology Development Co., Ltd., Beijing Solar Temple Industrial Co., Ltd. The main drafters of this standard. He Tao, Jia Tieying, road Bin, Zou Hongwei, Liu Haibo, Zhao Shan, Zhu Duizhi, Huang Yongwei, Xiao L, Pan Baochun, Lifang Jun, Dou Jianqing, too Jiao Qing, Zhang Jiangping, Ma Zhigui, WU Dao Yuan, Wangsuo Gang, Ao Kaiping, Huangjun Peng, Room Feng Jie, Ren Jie. Solar home charging auxiliary energy Water heating systems

1 Scope

GB/T 25966-2010 is the Chinese national standard on specification of domestic solar water heating systems with electrical auxiliary heat source, in the field of energy and heat transfer engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification

calls it up - which in practice is how most foreign buyers meet it. It was issued on 10 January 2011 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2011. Classification: ICS 27.160, CCS F01. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the terms and definitions charged auxiliary energy household solar hot water systems, product classification and marking, technical requirements, test Test methods, inspection rules, marking, packaging, transportation and storage. This standard applies to hot water storage tank volume of domestic solar water heating systems 0.6m3 charged the following auxiliary energy.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 191 Packaging - Pictorial signs

GB 3100 International System of Units and Its Application Part 1

GB 4706.1 Safety of household and similar electrical appliances. General requirements

GB/T 6424 flat plate solar collectors

GB/T 12936 solar thermal terms

GB/T 13384 mechanical and electrical products packaging General technical conditions

GB/T 17049 all-glass vacuum tube solar collector

GB/T 17581 vacuum tube solar collectors

GB/T 18708 domestic solar water heating system thermal performance test method

GB/T 19141 domestic solar water heating systems

GB/T 19775 Glass - metal sealing heat pipe vacuum tube solar collector

GB/T 23888 domestic solar hot water system controller Domestic solar hot water system

GB/T 25967 with auxiliary energy thermal performance test method ISO 9488.1999 Solar term

3 Terms and Definitions

GB 3100, GB/T 12936, GB/T 18708, GB/T 19141 and ISO 9488.1999 and established the following terms and definitions Apply to this standard.

3.1 Domestic solar water heating systems

domesticsolarwaterheatingsystemwithelectricalauxiliary charged auxiliary energy
heatsource Solar collectors, heat storage tanks, pipelines, electric auxiliary heater and
controllers and other components, also known as the auxiliary energy of charged solar
home Food, means for heating the hot water storage tank of water for use in residential and
small commercial buildings or public buildings.

4 Symbols and units

Symbols and units used in this standard is given in Appendix A.