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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 28745-2012

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**Test methods for storage tank of domestic solar  
water heating system**

**家用太阳能热水系统储水箱试验方法**

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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 and under the jurisdiction of National Technical Committee (SAC/TC 402) on Solar Energy of Standardization Administration of China.

The responsible drafting organizations are State Solar Water Heater Quality Supervision and Inspection Center (Beijing), China National Institute of Standardization, Shandong Sangle Solar Energy Co., Ltd, MICOE Inc., Shandong LINUO RITTER New Energy Co., Ltd, Himin Solar Energy Group Co., Ltd, Beijing's Tsinghua Sunshine Energy Development Co., Ltd, SUNSHORE Solar Energy Co., Ltd, Shenzhen Jiaputong Solar Energy Co., Ltd, Jiangsu Huihuang Solar Energy Co., Ltd, Beijing Tianpu Solar Energy Industry Co., Ltd, Jiangsu GMO Hi-Tech Co., Ltd, Jiangsu Huayang Solar Energy Co., Ltd, Hefei Aidi Energy-saving Technology Co., Ltd, AO Smith (China) Water Heater Co., Ltd, Ariston Thermo (China) Co., Ltd, Jiangsu Guangmang Kitchen & Bath Solar Energy Co., Ltd, Guangdong Five-star Solar Energy Co., Ltd, Jiaxing Tjsun New Energy Co., Ltd, Changzhou XNE Group and Zhejiang Sidite New Energy Co., Ltd.

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# Test Methods for Storage Tank of Domestic Solar Water Heating System

## 1 Scope

This standard specifies test methods for storage tank of domestic solar water heating system.

This standard applies to storage tank of domestic solar water heating system that water capacity is not greater than 0.6 m<sup>3</sup>.

## 2 Normative references

The articles contained in the following documents have become this document 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 document.

GB/T 1720 Method of test for adhesion of paint films

GB/T 1771 Paints and varnishes—Determination of resistance to neutral salt spray(fog)

GB/T 1865 Paints and varnishes - Artificial weathering and exposure to artificial radiation - Exposure to filtered xenon-arc radiation

GB 4706.1 Household and similar electrical appliances-Safety-Part 1 : General requirements

GB/T 12936 Solar energy—Thermal application—Terminology

GB/T 18708 Test methods for thermal performance of domestic solar water heating systems

GB/T 28746-2012 Specification of storage tank of domestic solar water heating system

QB/T 2590 Enamelling hot-water units in store type

ISO 9488: 1999 Solar Energy—Vocabulary

## 3 Terms and definitions

For the purpose of this document, the following terms and definitions defined in GB/T 12936, GB/T 28746 and ISO 9488: 1999 apply.

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