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

GB/T 35758-2017

**Household electrical appliances -- Measurement of standby
power**

(English Translation)

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Table of Contents

Foreword	
1 Scope	
2 Normative references	
3 Terms and definitions	
4 Test the general conditions	
4.1 General Requirements	
4.2 Test Environment	
4.3 Power Supply	
4.3.1 Power supply voltage and frequency	
4.3.2 Supply voltage waveform	
4.4 Power Measuring Instruments	
4.4.1 Power Measurement Uncertainty	
4.4.2 Power meter frequency response	
4.4.3 Long-term average power measurement requirements	
5 Test method	
5.1 General Requirements	
5.2 Sample Preparation	
5.3 Test Procedure	
5.3.1 General requirements	
5.3.2 Sampling method	
5.3.3 Average reading method	
5.3.4 Meter direct reading method	
6 Test Report	
6.1 Product Details	
6.2 Test parameters	
6.3 Test data for each working mode of the product (if applicable)	
6.4 Test and laboratory details	
Appendix A (informative) Operating modes and functional guides for selecting appliance types	
Appendix B (Informative) Low Power Mode Measurement Description	
Appendix C (informative) power value is converted to energy	
Appendix D (Informative) Measurement of uncertainty analysis	

References

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the translation method identical with IEC 62301.:2011 "Household appliances standby power measurement." the documents of our country that are consistent with the corresponding international documents that are normative references in this standard are as follows.

--- GB/T 2900.74-2008 Electrotechnical terminology circuit theory (IEC 60050-131.:2002, MOD)

--- GB/T 2900.77-2008 Electrotechnical terminology Electrical and electronic measuring and instrumentation - Part 1. General terms of measurement (IEC 60050-300-311.:2001, IDT)

--- GB/T 2900.79-2008 Electrotechnical terminology electrical and electronic measuring and instrumentation - Part 3. Electrical measuring instrumentation Type (IEC 60050-300-313.:2001, IDT) this standard made the following editorial changes.

--- Table 1 "common area nominal supply voltage and frequency", delete IEC 62301.:2011 in areas outside China and the corresponding voltage and frequency values and footnotes b, increase the corresponding voltage and frequency values in Hong Kong, Macau and Taiwan, China, and footnote a Modified.

Please note that some of this document may be patentable. The issuing agencies of this document do not bear the responsibility of identifying these patents.

This standard proposed by the China Light Industry Federation.

This standard by the National Standardization Technical Committee appliances (SAC/TC46) centralized.

This standard was drafted. China Household Electrical Appliances Research Institute, Wei Kai Detection Technology Co., Ltd., Wuxi core peer Microelectronics Co., Ltd., none Tin Little Swan Co., Ltd., Qingdao Haier Washing Machine Co., Ltd., Shanghai Flying Branch Electric Co., Ltd., Boshi household appliances investment (China) Co., Ltd., Jiangsu Midea Clean Electric Co., Ltd., Panasonic Research and Development (Hangzhou) Co., Ltd., Lake Electric Green Technology (Suzhou) Co., Ltd., Ningbo Xinle Holding Group Co., Ltd., Zhejiang Shaoxing Supor Life Electric Co., Ltd., Guangdong Galanz set Group Co., Ltd., the National Household Electrical Quality Supervision and Inspection Center.

1 Scope

This standard specifies the household appliances standby mode and other low-power mode (shutdown mode and network mode) power consumption measurement method.

This standard applies to the rated input voltage or voltage range (all or part of) between 100V ~ 250V single-phase products, as well as rated Voltage or voltage range of 130V ~ 480V between the other products.

The purpose of this standard is to provide a test method for the power consumption of products in low power mode (see 3.4), the so-called "low power mode Style "usually refers to the product is not activated mode (that is, the main function of the product is not open).

Note 1: The energy consumption and performance testing of the product during its use is generally listed in the generally specified relevant product standards, not in the scope of this standard the column.

Note 2: In this standard, "product" refers to energy-using products, such as household appliances or other appliances and equipment within the scope of IEC/TC59. However, the measurement method can be used in other products.

Note 3: When other performance standards or procedures refer to this standard, it is appropriate to define and name the relevant test procedure for low-power mode (see 3.4).

Note 4: The inclusion of DC powered products in the scope of this standard is under consideration.

This standard does not explicitly put forward safety requirements. Similarly, this standard neither provides minimum performance requirements, nor does it provide power or energy consumption the maximum limit.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

International Electrotechnical Vocabulary - Part 131. Circuit Theory (International Electrotechnical Vocabulary (IEV) -Parts131. Circuittheory) IEC 60050-300 International Electrotechnical Vocabulary Electrical and electronic measuring and measuring instruments Part 311. General terms of measurement Part 312. Generic terminology for electrical measurements - Part 313. Types of electrical measuring instruments - Part 314. Specific instruments by type of instrument International Electrotechnical Vocabulary-Electricalandelectronicmeasurementsandmeasuring instruments-Part 311. Generaltermsrelatingto measurements-Part 312. Generaltermsrelatingto electricalmeasurements-Part 313. Types of electrical properties in devices-Part 314. Specific termsaccordingtothetypeofinstrument)

3 Terms and definitions

IEC 60050-131, IEC 60050-300 and the following terms and definitions apply to this document.

Function

Realization of the booking operation with energy products. Through interaction with users, other technical systems, the system itself, and/or from the environment and/or Quantify the input signal in time to control the function.

In this standard, functions are grouped into four main types.

User-oriented accessibility (see 3.6 "Standby Mode");