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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 33708-2017

Static meter for direct current energy

静止式直流电能表

(English Translation)

Issued on: May 12, 2017

Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC

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1 Foreword

GB/T 33708-2017 was issued by State Administration for Market Regulation; Standardization Administration of the PRC on 12 May 2017.

It is one of 4 parts of the GB/T 33708 series.

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2 Scope

This standard specifies the terms, requirements and test methods and inspection rules of static meter for direct current energy (hereinafter referred to as instrument). This standard is only applicable to the newly manufactured instrument with input voltage not greater than 1000V. This standard is not applicable to the following conditions: --instrument with input voltage greater than 1000V; --DC standard instrument; --portable instrument.

3 Normative references

GB/T 4798.1-2005 - Environmental Conditions Existing in the Application of Electric and Electronic Products - Section 1: Storage

GB/T 4798.2-2008 - Environmental Conditions Existing in the Application of Electric and Electronic Products - Section 2: Transportation

GB/T 13384-2008 - General Specifications for Packing of Mechanical and Electrical Product

GB/T 16935.1-2008 - Insulation Coordination for Equipment within Low-voltage Systems - Part 1: Principles Requirements and Tests

GB/T 17215.211-2006 - Electricity Metering Equipment (a.c.) - General Requirements, Tests and Test Conditions - Part 11: Metering Equipment

GB/T 17215.301-2007 - Particular Requirements for Multi-function Electricity Meters

GB/T 17215.321-2008 - Electricity Metering Equipment (a.c.) - Particular Requirements - Part 21: Static Meters for Active Energy (Classes 1 and 2)

GB/T 17215.421-2008 - Electricity Metering Equipment (a.c) - Tariff and Load Control - Part 21: Particular Requirements for Time Switches

GB/T 17626.11-2008 - Electromagnetic Compatibility - Testing and Measurement Techniques - Voltage Dips, Short Interruptions and Voltage Variations Immunity Tests

GB/T 17626.29-2006 - Electromagnetic Compatibility(EMC) - Testing and Measurement Techniques - Voltage Dips Short Interruptions and Voltage Variations on d.c. Input Power Port Immunity Tests

GB/T 17627.1-1998 - High-voltage Test Techniques For Low-voltage Equipment Part 1: Definitions, Test and Procedure Requirements

QC/T 413-2002 - Technical Specification for Electronic Equipment for Automobiles

IEC 61010 - -1: 2010 Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements

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4 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of the PRC

English translation: about 15 pages (approximate)

5 Related standards

Other parts of this standard:

GB/T 33708.1-2025 - Electrictity metering equipment(DC) - Part 1: General requirements

GB/T 33708.2-2025 - Electricity metering equipment (DC) - Part 2: Indirect-connected static meters (classes 0.2, 0.5 and 1)

GB/T 33708.3-2025 - Electricity metering equipment (DC) - Part 3: Direct-connected static meters (classes 0.5 and 1)

6 Classification and status

Chinese Standard Classification (CCS): N 22

Prefix GB/T: recommended standard.

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