

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

SN/T 0811-2012

Replacing SN/T 0811.1-2005

**Rules for the entry-exit inspection of power transformers,
power supplies, reactors and similar products. General
requirements**

(English Translation)

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Foreword

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

Instead of the standard SN/T 0811.1-2005 "the inspection of import and export power transformers, power supply units and similar devices - Part 1.

General requirements. " this standard compared with SN/T 0811.1-2005, the main technical changes are as follows.

--- Standard name changed to "import and export of power transformers, power supplies, reactors and similar products inspection regulations General requirements";

--- Standard structure, chapter choreography, performed a number of changes;

It was modified --- standard range;

--- Increased SN/T 2838.2 description of the terms and definitions;

--- For inspection and supervision model test method and its contents has been modified;

--- Requirements for different test methods and test items corresponding test method was modified.

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. People's Republic of China, Shenzhen CIQ, Shenzhen Inspection and Quarantine Science Research Institute.

Introduction

"Import and export of power transformers, power supplies, reactors and similar products - General requirements for the inspection," the import and export of power transformers, power supplies, Reactors and similar products based on the work of inspection, import and

export of power transformers, power supplies, reactors and similar products play a guiding and regulating inspection effect.

With China's accession to the World Trade Organization (WTO) and the "People's Republic of China Import and Export Commodity Inspection Law" and its implementing regulations amended Import and Export Commodity Inspection, great changes occurred in work mode. In order to meet changes in the form, the state inspection and quarantine departments in charge of the establishment of a Inspection and quarantine standards.

This standard belongs to the inspection and quarantine standards on the third floor --- categories of common standards, provides for import and export of power transformers, power supplies, reactors and similar general requirements for product testing.

Import and export of power transformers, power supplies, reactors and similar General requirements for product testing procedures

1 Scope

This standard specifies the import and export of power transformers, power supplies, reactors and similar products sampling, testing and judgment.

This standard covers the following types of dry-type transformers, power supply (including switch mode power supplies) and reactors, which may be encapsulated or non-winding Encapsulation type.

Note 1: The difference between the transformers, power supply and switching power supply as follows.

--- Transformer without changing the frequency. However, the transformer (eg. constant voltage transformers) can have no more than 30kHz internal resonance frequency;

--- Power supply, internal operating frequency and the frequency and waveform with different power supply and the internal operating frequency not exceeding 500Hz;

--- Of switched mode power supply, internal operating frequency and the frequency and waveform with different power supply and the internal operating frequency exceeding 500Hz rather than 100MHz.

a) Stationary or portable, single-phase or multi-phase, air-cooled (self-cooled or air-cooled), with or supporting the use of independent, does not constitute a distribution network Parts and security isolation transformer, which has the following characteristics.

1) rated supply voltage not exceeding AC 1000V;

2) does not exceed the rated frequency 500Hz;

And, except as otherwise provided in other parts of this standard, the meet the following requirements.

1) isolation transformers.

--- Single-phase transformer rated output not exceeding 25kVA, multi-phase transformers not exceeding 40kVA;

--- Load output voltage and rated output voltage exceeds 50V AC rather than AC 500V, or according to national wiring regulations or provisions for a special purpose, not more than AC 1000V.

2) safety isolating transformer.

--- Single-phase transformer rated output not exceeding 10kVA, multi-phase transformers not exceeding 16kVA;

--- Between the conductor and quality control or any of a protective earth conductor, no-load output voltage and rated output voltage does not exceed AC 50V.

Note 2: When the installation procedures or appliances (such as. electric toys, bells, portable power tools, portable lamps) specification requirements for the double or reinforced insulation between circuits Insulation, to use an isolation transformer or a safety isolating transformer.

b) Stationary or portable, single-phase or multi-phase, air-cooled (self-cooled or air-cooled), with or supporting the use of independent, does not constitute a distribution network Part of separating transformers, auto-transformers, voltage regulators and small reactors, which have the following features.

1) rated supply voltage not exceeding AC 1000V;

2) rated supply frequency not exceeding 500Hz;

And, except as otherwise provided in other parts of this standard, the values in line with the following provisions.

1) for both independent use and are supporting the use of transformers, no-load output voltage and rated output voltage not exceeding 15kV, for independent use Transformers, AC rated output voltage is not less than 50V.

2) rated output does not exceed the following values.

--- Single-phase transformer, 1kVA;

--- Single-phase reactor, 2kVA;

--- Multiphase transformer, 5kVA;

--- Multiphase reactors, 10kVA.