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

GB/T 21560.6-2008

**Low-voltage power supplies, d.c. output -- Part 6: Requirements
for low-voltage power supplies assessed performance**

低压直流电源 第6部分：评定低压直流电源性能的要求

(English Translation)

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Foreword

GB/T 21560 "low-voltage DC power supply" is divided into the following sections.

- Part 1. Reserved;
- Part 2. Performance characteristics (under consideration);
- Part 3. Electromagnetic compatibility (EMC);
- Part 4. without EMC test (under consideration);
- Part 5. Reserved;
- Part 6. Evaluation of low-voltage DC power supply performance requirements;
- Part 7. Safety requirements.

This section GB/T Part of 621,560. The partial modification uses 61204-6 IEC .2000 "Part 6 of low-voltage DC power supply Score. Evaluation of low-voltage DC power supply performance requirements "(in English). Edit the format of this section according to China National Standard GB/T 1.1.

This part of IEC 612040-6. compared to 2000, there is a technical difference.

According to China's standards, the section in Chapter 1 of the input supply voltage range from the upper limit specified in IEC 61204-6 to no more than 600V not more than 660V, the output voltage range from the upper limit specified in IEC 61204-6 does not exceed more than 200V to 250V.

This part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Science Power Electronics Standardization Technical Committee (SAC/TC60) centralized.

This section is drafted. Xi'an Institute of Power Electronics.

1 Scope

This section GB/T 21560 apply to general purpose power supply. These power supply AC to DC or DC to DC conversion. suitable with safety regulations will be given in the relevant product standard.

On input characteristics, the present section applies to all of the following rating 660V and AC or DC power.

On the output characteristics, the present section only applies to the DC voltage is lower than 250V, and the power of 2.5kW and below power. Note Applicable the test methods, the power can be extended to 30kW.

The purpose of this section is to provide low-voltage power supply unit is expected to evaluate the performance requirements of mass production. If the performance requirements or other quality assurance License contract has been agreed, places contract.

This section is expected to improve as the conductive properties of the product in large quantities.

Unless otherwise indicated, the performance and quality conformance inspection, reg number referenced in this section, see GB/T 17478.

2 Normative references

The following documents contain provisions which, through reference GB/T 21560 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 2423.22-2002 Environmental testing for electric and electronic products Part 2. Test methods - Test N. Temperature change (IEC 60068-2-14. 1984, IDT) GB/T 2423.28-2005 Environmental testing for electric and electronic products Part 2. Test methods - Test T. Soldering (IEC 60068-2-20.

1979, IDT)

GB/T 2423.30-1999 Environmental testing for electric and electronic products Part 2. Test methods Test XA and guidance. cleaning Agent impregnation (idt IEC 60068-2-45:1993)

GB/T 17478-2004 low voltage DC power supply performance characteristics (IEC 61204:2001, MOD) ISO 9000 (all parts), quality management and quality assurance standards IEC 60068-2-21:2006 Environmental testing - Part 2-21. Tests - Test U. lead and the overall strength of the end mounting member IEC 60410. 1973 count check sampling plan and procedures IEC 60721-3-3:1994 Classification of environmental conditions - Part

3. groups of environmental parameters and their severities - Section 3 classification and grading.

In weather protected locations fixed use

3 Procedures and classification

Requirements of this section apply to.

- Manufacturers, standards-compliant power supply detailed regulatory requirements; or
- Customized special power.

Program consists of the following three requirements.

- Manufacturer's quality control, manufacturing methods and steps should be ISO 9000 series or equivalent standard certification;