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

GB 7260.2-2009

Replacing GB/T 7260.2-2009

**Uninterruptible power systems (UPS) - Part 2: Electromagnetic
compatibility (EMC) requirements**

不间断电源设备(UPS) 第2部分：电磁兼容性(EMC)要求
(English Translation)

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Table of Contents

Preface

Introduction

1 Scope

2 Normative References

3 Terms, Definitions, and Abbreviations

3.1 Terms and Definitions

3.2 Abbreviations

4 UPS Categories

4.1 Class C1 UPS

4.2 Class C2 UPS

4.3 Class C3 UPS

4.4 Class C4 UPS

4.5 Categories and Environments

4.6 Document

5 Launch

5.1 General Rules

5.2 General Test Requirements

5.3 Measurement Requirements

6 Immunity

6.1 General Rules

6.2 General Requirements and Performance Criteria

6.3 Basic Immunity Requirements

6.4 Immunity to voltage sags, short interruptions, and voltage variations

Appendix A (Normative) Electromagnetic emission test methods

A.1 General Rule

A.2 Measuring equipment

A.3 Test Apparatus Configuration

A.4 Determination of Maximum Launch Arrangement

A.5 Trial equipment operation

A.6 Measurement method for power port interference voltage

A.7 Measurement methods for AC output ports (if applicable)

A.8 Measurement methods for radiated emission

A.9 Measurement Site

A.10 Layout of Radiation Emission Test Equipment

A.11 Measurement of Radiated Magnetic Field Disturbance

A.12 Network Port Interference Measurement

Appendix B (Informative) Electromagnetic emission limits and measurement methods for magnetic fields (H-field)

Appendix C (Normative) Electromagnetic Emission Limits for Network Ports

Appendix D (Normative) Electromagnetic Immunity Test Method

D.1 General Rule

D.2 Electrostatic Discharge (ESD)

D.3 Immunity to Radiated Electromagnetic Fields

D.4 Fast transient immunity

D.5 Surge (Impact) Immunity

D.6 Low-frequency signal immunity

Appendix E (Informative) On-site Tests for User Installations

References

Interference voltage limit for network ports

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 2 of GB/T 7260 "Uninterruptible Power Supply Systems (UPS)". GB/T 7260 has already published the following parts.

---Part 1: Safety Requirements;

---Part 2: Electromagnetic Compatibility (EMC) Requirements;

---Part 3: Methods for determining performance and test requirements;

---Part 4: Environmental Requirements and Reporting;

---Part 5-3.DC Output UPS Performance and Testing Requirements this document supersedes GB/T 7260.2-2009 "Uninterruptible Power Supply Equipment (UPS) - Part 2: Electromagnetic Compatibility (EMC) Requirements", and is consistent with...

Compared with GB/T 7260.2-2009, apart from structural adjustments and editorial changes, the main technical changes are as follows.

---The scope has been changed (see Chapter 1, Chapter 1 of the 2009 edition);

---Added the terms "DC interface", "DC port", "network port", "Category 1 environment", "Category 2 environment", and "Category C1 uninterruptible power supply".

The terms "Category C2 Uninterruptible Power Supply System", "Category C3 Uninterruptible Power Supply System", and "Category C4 Uninterruptible Power Supply System" have been shortened to include abbreviations.

(See Chapter 3)

---The chapter on "Environment" has been deleted (see Chapter 4 in the 2009 edition);

---Some requirements for Class C2 UPS and provisions for Class C3 UPS have been changed (see 4.2 and 4.3, and 5.2 and 5.3 in the 2009 edition);

---A "documentation" requirement has been added (see 4.6);

---The general measurement conditions, as well as the specifications for conducted emission ports and limits, have been changed (see 5.3.1 and 5.3.2, 6.3 and 2009 editions).

---The output characteristic criterion in Table 4, "Performance Criteria for Immunity Tests," has been removed, clarifying the performance criteria for immunity tests (see...).

6.2 (7.2 in the 2009 edition);

---The minimum immunity requirements for Class C1, C2, and C3 UPS have been changed (see Tables 5 and 6, Table 5 in the 2009 edition).

(and Table 6);

---The specifications for low-frequency signal immunity and power frequency magnetic field immunity have been revised (see 6.3.2 and 6.3.3, and 7.4 and 7.5 in the 2009 edition);

---Some provisions in the electromagnetic launch test methods have been changed (see Appendix A, Appendix A of the 2009 edition);

---The electromagnetic emission limit for signal ports has been removed, and an electromagnetic emission limit for network ports has been added (see Appendix C, 2009 edition).

Appendix C);

---The requirements for wiring tests have been changed (see D.3.2, D.3.2 of 2009).

This document is modified to adopt IEC 62040-2:2016 "Uninterruptible power supply systems (UPS) - Part 2: Electromagnetic compatibility (EMC)".

Require".

The technical differences between this document and IEC 62040-2:2016, and the reasons

therefor, are as follows.

---CISPR11.2015 has been replaced with the normatively referenced GB 4824-2025. There are technical differences between the two versions.

This is because it is adapted to my country's technological conditions;

---The technical content between the two versions has been replaced by the normatively referenced GB/T 17626.3-2023.

The difference lies in adapting to my country's technological conditions;

--- Replace CISPR16-1-4.2010 and AMD1.2012 with the normatively referenced GB/T 6113.104-2025.

The technical content differs between them because they are adapted to my country's technological conditions;

--- Replace CISPR16-2-3.2010 AMD1.2010 with the normatively referenced GB/T 6113.203-2023.

In.2014, there were differences in the technical content between the two versions because they were adapted to my country's technological conditions.

--- Replaced CISPR22.2008 with the normatively referenced CISPR32.2015 AMD1.2019, ensuring consistency between the two files.

The level of modification is due to the fact that CISPR 22.2008 has been replaced by CISPR 32.2015;

---Changes have been made to the specifications for antennas and common-mode absorption devices in electromagnetic emission test and measurement equipment, as well as for radiated emission test antennas and devices in strong radiation conditions.

Specifications for measurements under environmental signals, to adapt to my country's technical conditions (see A.2.4, A.2.5, A.8.3 and A.10.2);

---The requirements for wiring tests have been changed to suit my country's technical conditions (see D.3.2).

The following editorial changes have been made to this document.

---Incorporates the interpretation of network port limits in IEC 62040-2:2016/ISH1.2018 (see 5.3.2.4).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China Electrical Equipment Industry Association.

This document is under the jurisdiction of the National Technical Committee on