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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 7260.40-2020

Uninterruptible power systems (UPS) - Part 4: Environmental aspects. Requirements and reporting

Issued on: December 14, 2020 **Implemented on: July 1, 2021**

Issued by: State Administration for Market Regulation, China National Standardization Administration

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Foreword

GB/T 7260 "Uninterruptible Power System (UPS)" has or plans to publish the following parts:

---Part 1-1: General regulations and safety requirements of UPS used in the area where the operator touches;

---Part 1-2: General regulations and safety requirements for UPS used in restricted areas;

---Part 2: Electromagnetic compatibility (EMC) requirements;

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

---Part 4: Environmental requirements and reports;

---Part 5-3: DC output UPS performance and test requirements:

This part is Part 4 of GB/T 7260:

This section was drafted in accordance with the rules given in GB/T 1:1-2009:

The translation method used in this part is equivalent to the IEC 62040-4:2013

"Uninterruptible Power Supply System (UPS) Part 4: Environmental Requirements and

report":

The Chinese documents that have a consistent correspondence with the international documents cited in this section are as follows:

---GB/T 7260:3-2003 Uninterruptible Power Supply (UPS) Part 3: Methods and test requirements for determining performance

(IEC 62040-3:1999,MOD)

---GB /Z 26668-2011 Material Declaration for Electrical and Electronic Products (IEC 62474CDV:2010, NEQ)

This part was proposed by China Electrical Equipment Industry Association:

This part is under the jurisdiction of the National Power Electronic System and Equipment Standardization Technical Committee (SAC/TC60):

Drafting organizations of this section: Huawei Technologies Co:, Ltd:, Guangdong Zhicheng Champion Group Co:, Ltd:, Huazhong University of Science and Technology, Xi'an Power Electronics Technology

Technology Research Institute, China General Nuclear Power Engineering Co:, Ltd:, Kehua Hengsheng Co:, Ltd:, Schneider Electric Information Technology (China) Co:, Ltd:, Aerospace

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Technology Co:, Ltd:, Easytech Group Co:, Ltd:, Spallation Neutron Source Science Center, Xi'an Libeian Intelligent Technology Co:, Ltd:, Zhuhai Titan

Technology Co:, Ltd:

Introduction

This part of GB/T 7260 is about product standards (environmental information) for uninterruptible power supply systems:

Manufacturers, purchasers, certification bodies and users provide references to reduce the impact of uninterruptible power supply systems on the environment during their service life:

This section helps:

---Determine the basic environmental parts of environmental standards, regulations, codes

of conduct, agreements and other requirements applicable to uninterruptible power supply systems, and confirm

Ensure compliance and avoid the need for explanation;

---Use standardized methods to deliver environmental information and respond to user requirements;

---Focus on the requirements that are mainly applicable to the environment, and minimize the reporting requirements;

---Propose standards with compliance requirements, predict the upcoming environmental regulations and plans applicable to uninterruptible power supply systems;

---Standardization of environmental information transmission in the supply chain;

---Report and transmit environmental information as a reference for measuring environmental progress between product generations:

Uninterruptible Power System (UPS)

Part 4: Environmental requirements and reports

1 Scope

This part of GB/T 7260 specifies the procedures and requirements for environmental declarations of uninterruptible power supply systems:

Any negative effects of the power system on the environment throughout its life cycle: This part is coordinated with applicable similar general environmental standards, and includes

Contains additional detailed information related to the uninterruptible power supply system:

This part is applicable to fixed frequency, single-phase or three-phase AC output voltage not exceeding 1000V, movable, not easy to move and fixed installation

The uninterruptible power supply system is regulated by IEC 62040-1, IEC 62040-2 and IEC 62040-3:2011:

Can device:

This section does not include:

---Traditional AC input and output switchboard;

---DC switchboard and related switches (e:g: battery switch, rectifier output switch or inverter input switch);

--- Independent static switching system specified by IEC 62310-1, IEC 62310-2 and IEC 62310-3;

---The output voltage comes from the system of rotating electric machine:

2 Normative references

The following documents are indispensable for the application of this document: For dated reference documents, only the dated version applies to this article

Pieces: For undated references, the latest version (including all amendments) applies to this document:

IEC 62040-3:2011 Uninterruptible power supply system (UPS) Part 3: Method for determining performance and test requirements [Uninter-

ruptiblepowersystems(UPS)-Part 3:Methodofspecifyingtheperformanceandtestrequirements]

IEC 62474:2012 Electrical industry and material declaration for electrical products (Materialdeclarationforproductsofand

fortheelectrotechnicalindustry)

3 Terms and definitions

The following terms and definitions apply to this document:

3:1

Endoflife

The life cycle phase of a product from the phase of its intended use:

3:2

Endoflifetreatment

Any operation after waste is placed in a recycling facility or ready for disposal:

Note: Operations include dismantling, material separation and processing:

3:3

Usephase

The life cycle stage of a product from the beginning of its use to the end of its service life: