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

GB/T 47637.3-2026

**Direct current (DC) appliance couplers for information and
communication technology (ICT) equipment installed in data centres
and telecom central offices - Part 3: AC/DC appliance inlet**

数据中心和电信中心机房安装的信息和通信技术（ICT）设备用直流器具耦合器
第3部分：AC/DC器具输入插座

(English Translation)

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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 based on GB/T 47637 "DC Appliance Coupling for Information and Communication Technology (ICT) Equipment Installed in Data Centers and Telecommunication Centers".

Part 3 of GB/T 47637, titled "Compatible Instruments," has been published, including the following parts.

---Part 1.2.6kW System;

---Part 3: AC/DC appliance input sockets.

This document is equivalent to IEC TS63236-3:2021 "Information and Communication Technology (ICT) Equipment Installed in Data Centers and Telecommunication Center Rooms".

"Supply Chain Couplings - Part 3: AC/DC Appliance Input Sockets". The document type has been changed from an IEC technical specification to a Chinese national standard.

standard.

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 Standardization of Electrical Accessories (SAC/TC67).

Introduction

The requirements for DC appliance couplers used in information and communication technology (ICT) equipment installed in data centers and telecommunications central computer rooms are standardized to ensure product quality.

The product is safe and reliable, and is proposed to consist of the following parts.

---Part 1.2.6kW System. The purpose is to standardize the installation of information and communication technologies in data centers and telecommunications central office rooms.

Technical specifications regarding the type, dimensions, structure, electrical performance, and mechanical performance of DC appliance couplers for 2.6kW systems used in (ICT) equipment.

Technical requirements.

---Part 2.5.2kW System. The purpose is to standardize the installation of information and communication technologies in data centers and telecommunications central office rooms.

Technical specifications for DC appliance couplers used in 5.2kW systems for (ICT) equipment, including type, dimensions, structure, electrical performance, and mechanical performance.

Technical requirements.

---Part 3: AC/DC Appliance Input Sockets. The purpose is to standardize the installation of information and communication equipment in data centers and telecommunications central office rooms.

Additional requirements for AC/DC appliance input sockets for ICT equipment.

This document will help standardize the AC/DC appliances used in information and communication technology (ICT) equipment installed in data centers and telecommunications center rooms.

The requirement for input sockets promotes the implementation and application of information and communication technology (ICT) DC equipment installed in data centers and telecommunications central computer rooms, and improves...

To improve the technological level of the information and communication technology (ICT) industry in my country's data centers and telecommunications center computer rooms.

Information on the installation of data centers and telecommunications center computer rooms DC appliance couplers for communication technology (ICT) equipment Part 3: AC/DC Appliance Input Sockets

1 Scope

This document specifies the additional input sockets for information and communication technology (ICT) equipment installed in data centers and telecommunications center rooms.

The requirements are that these appliance input sockets are compatible with both AC and DC power.

According to this document, electrical accessories may be used by general personnel in the data center only if the voltage distribution system meets the following requirements.

---For DC voltage distribution systems, the values defined in Chapter 1 of GB/T 47637.1-2026 apply;

---For AC voltage distribution systems, the voltage shall not exceed 250VAC, and the rated current shall meet the requirements of the standard valve.

The appliance couplers conforming to this document are suitable for use in ambient temperatures generally not exceeding 60°C, with a minimum ambient temperature of -5°C.

Appliance couplers are not suitable for the following situations.

---Used to replace plug and socket systems conforming to IEC TS62735 series standards;

---Used to replace plug and socket systems conforming to IEC 60884 series standards;

---Used to replace luminaire connection devices (DCLs) or luminaire matching couplers (LSCs) conforming to IEC 61995 (all parts).

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

This chapter of GB/T 47637.1-2026 applies.

3 Terms and Definitions

The terms and definitions defined in GB/T 47637.1-2026, as well as the following terms and definitions, apply to this document.

Increase.

3.101

Hybrid appliance inlet Appliance input designed for compatibility with AC connectors conforming to GB/T 17465.6 and DC connectors conforming to GB/T 47637.1.

4 General Requirements

This chapter of GB/T 47637.1-2026 applies.

5 General instructions for the experiment

This chapter of GB/T 47637.1-2026 applies.