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ICS 29.200
CCS M41

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4843.1-2024

Technical requirements for intelligent energy application in data centers and communication room base stations - Part 1: General

数据中心和通信机房基站能源智慧化应用技术要求 第1部分：总则

(English Translation)

Issued on: July 5, 2024 **Implemented on: October 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4843.1-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 2024.

It is one of 3 parts of the YD/T 4843 series.

The YD/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

This standard specifies the technical requirements for the intelligent application of energy in data centers, communication rooms and base stations, including the technical requirements for the digitization of their equipment, the networking of transmission, the intelligentization of various platforms at all levels, and various systems and equipment. This standard applies to various equipment, systems and energy management platforms for newly built or expanded data centers, communication rooms and communication base stations.

YD/T 4843.1-2024 falls under ICS 29.200, in the field of electrical engineering.

This catalogue holds 81 other YD/T standards in that field.

In this catalogue, YD/T standards carry edition years from 1982 to 2026.

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3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

YD/T 4843.2-2024 - Technical requirements for energy intelligent application in data centers and communication room base stations - Part 2: Energy integrated management and control platform architecture

YD/T 4843.3-2024 - Part 3: Energy efficiency management system

Standards on related subjects:

YD/T 1092-2023 - Telecommunication cables - Foamed polyolefin dielectric, corrugated copper-tube outer conductor, 50 Ohm radio-frequency coaxial cable for wireless communications

YD/T 2165-2010 - Technical specification of modular uninterruptible power systems for telecommunications

YD/T 777-2006 - Inversion equipment for telecommunications

YD/T 1363.5-2026 - Specification of supervision system for power, air conditioner and environment - Part 5: Access control and control supervision system

5 Classification and status

International classification (ICS): 29.200

Chinese Standard Classification (CCS): M 41

Prefix YD/T: recommended standard.

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