Chinastandards.org

ICS 29.200
CCS M41

YD

# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# YD/T 4524.4-2023

## 5G power supply and environmental infrastructure - Part 4: Rack temperature control system

5G供电与环境的基础设施 第4部分：机架温控系统

**(English Translation)**

**Issued on: December 20, 2023** **Implemented on: April 1, 2024**

**Issued by: Ministry of Industry and Information Technology**

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-4524-4-2023

# Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Abbreviations
3.1 Terms and definitions
4 General
4.1 Test environment
4.2 UE Information
4.3 Test Implementation
5 Requirements

## 1 Foreword

YD/T 4524.4-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 2024.

It is one of 5 parts of the YD/T 4524 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 terms and definitions, product classification, technical requirements, test methods, inspection rules, marking, packaging, transportation and storage of 5G power supply and environment infrastructure rack temperature control systems. This standard is applicable to unit air conditioning equipment installed in indoor racks such as base stations, comprehensive business computer rooms, and edge computer rooms, as well as unit air conditioning equipment installed in outdoor integrated information and communication cabinets. It is not applicable to air conditioning equipment installed on outdoor cabinet door panels..

YD/T 4524.4-2023 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.



Preview: page 2 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-4524-4-2023

## 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 4524.1-2024 - 5G Power Supply and Environmental Infrastructure - Part 1: General provisions

YD/T 4524.2-2024 - 5G Power Supply and Environmental Infrastructure - Part 2: Outdoor small integrated power supply system

YD/T 4524.3-2025 - Infrastructure of power supply and environment for 5G - Part 3: Multi-input multi-output integrated energy cabinet

YD/T 4524.5-2024 - 5G Power Supply and Environmental Infrastructure - Part 5: BBU cabinet

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

## 5 Classification and status

International classification (ICS): 29.200

Chinese Standard Classification (CCS): M 41

Prefix YD/T: recommended standard.



Preview: page 3 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-4524-4-2023