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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4524.2-2024

5G Power Supply and Environmental Infrastructure - Part 2: Outdoor small integrated power supply system

5G供电与环境的基础设施 第2部分：室外小型一体化电源系统

(English Translation)

Issued on: December 10, 2024 **Implemented on: April 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4524.2-2024 was issued by Ministry of Industry and Information Technology on 10 December 2024 and has been in force since 1 April 2025.

It is one of 4 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 technical requirements, test methods, inspection rules, marking, packaging, transportation and storage of 5G outdoor small integrated power supply systems. This standard applies to DC power supplies that use natural heat dissipation, integrated structural design, and are installed outdoors to power 5G communication equipment.

YD/T 4524.2-2024 is filed under Chinese Standard Classification M30, in the field of

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telecommunications and broadcasting.

This catalogue holds 2,288 other YD/T standards without an ICS number.

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

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 - Part 1: General provisions

YD/T 4524.4-2023 - 5G power supply and environmental infrastructure - Part 4: Rack temperature control system

YD/T 4524.5-2024 - Part 5: BBU cabinet

Standards on related subjects:

YD/T 3710-2020 - Test methods of message layer of LTE-based vehicular communication

5 Classification and status

Chinese Standard Classification (CCS): M 30

Prefix YD/T: recommended standard.

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