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ICS 33.040.40
CCS M32

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4274-2023

Design requirements for single-phase immersion liquid-cooled data centers

单相浸没式液冷数据中心设计要求

(English Translation)

Issued on: April 21, 2023 **Implemented on: August 1, 2023**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4274-2023

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1 Foreword

YD/T 4274-2023 was issued by Ministry of Industry and Information Technology on 21 April 2023 and has been in force since 1 August 2023.

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.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the design technical requirements related to single-phase immersion liquid cooling data center infrastructure, IT equipment, liquid cooling systems, etc. This standard applies to data center design and planning using single-phase immersion liquid cooling technology.

YD/T 4274-2023 falls under ICS 33.040.40, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

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

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

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4 Related standards

Standards on related subjects:

YD/T 2375-2019 - Technical requirements for high accuracy time synchronization

JT/T 1076-2016 - GNSS System for Operating Vehicles - Technical Specifications for Vehicle Video Terminal

YD/T 2554.1-2013 - Plastic optical fiber connector - Part 1: Type LC

YD/T 4268-2023 - Information Interface Technical Requirements of IP Network Routing Simulation System

YD/T 4266-2023 - Technical requirements for NFV-based deep packet inspection equipment

YD/T 4265-2023 - YANG Model of Virtualized Broadband Remote Access Server Based on Separation of Forwarding and Control

5 Classification and status

International classification (ICS): 33.040.40

Chinese Standard Classification (CCS): M 32

Prefix YD/T: recommended standard.

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