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

GB/T 35732-2025

Replacing GB/T 35732-2017

**Technical specification for remote terminal units of distribution
automation**

配电自动化终端技术规范

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1 Scope

GB/T 35732-2025 is the Chinese national standard covering the feeder terminal unit on a distribution pole or in a ring main unit - its measurement and fault detection, its communication with the master station, its power supply through an outage, and the environment of heat, cold and lightning it lives in. Issued on 2 December 2025, it has been in force since 1 July 2026, replacing GB/T 35732-2017.

This document specifies the general requirements and technical conditions for distribution automation terminals (hereinafter referred to as "terminals"), as well as their functions, performance, markings, and packaging. The requirements for loading, transportation, and storage are described, along with the corresponding test methods. This document applies to the planning, design, procurement, installation, commissioning, testing, acceptance, and operation and maintenance of terminals.

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.

GB/T 2423.10-2019 Environmental testing - Part

3 Radio frequency electromagnetic field radiated immunity testing

GB/T 17626.4 Electromagnetic compatibility testing and measurement techniques - Electrical fast transient/burst immunity test

GB/T 17626.5 Electromagnetic compatibility testing and measurement techniques - Surge (impulse) immunity test

GB/T 17626.8 Electromagnetic compatibility testing and measurement techniques - Power frequency magnetic field immunity test

GB/T 17626.9 Electromagnetic compatibility testing and measurement techniques - Pulse magnetic field immunity test

GB/T 17626.10 Electromagnetic compatibility testing and measurement techniques - Damped oscillating magnetic field immunity test

GB/T 17626.11 Electromagnetic compatibility testing and measurement techniques - Part 11. Equipment with input current less than or equal to 16A per phase Voltage sag, short interruption and voltage change immunity test

GB/T 17626.18 Electromagnetic compatibility testing and measurement techniques - Damped oscillating wave immunity test

GB/T 17626.29 Electromagnetic compatibility testing and measurement techniques - DC power supply input port voltage dips, short interruptions and voltage fluctuations Immunity test

GB/T 19638.1-2014 Stationary Valve-Regulated Lead-Acid Batteries - Part

9.10 Continuous power-on test 15

10. Marking, packaging, transportation and storage 15.

16 Reference 17

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 replaces GB/T 35732-2017 "Technical Specification for Intelligent Terminals in Distribution Automation". Compared with GB/T 35732-2017, except for... Aside from structural adjustments and editorial changes, the main technical changes are as follows:

- a) The scope has been changed (see Chapter 1, Chapter 1 of the.2017 edition);
 - b) The definition of "distribution automation terminal" has been changed (see 3.1,.2017 version 3.1);
 - c) The terms and definitions for "distribution transformer terminal" and "feeder automation" have been added (see
 - d) Terms and definitions related to distribution automation intelligent terminals have been removed (see sections 3.4, 3.5, 3.6, 3.7, and
- 3.8 of the.2017 version);

- e) Abbreviations have been changed (see Chapter 4, Chapter 4 in the.2017 edition);
- f) The general requirements have been changed (see Chapter 5, Chapter 5 of the.2017 edition);
- g) The general requirements in the functional requirements (see 6.1,.2017 version 6.1) and the feeder terminal/station terminal measurement and control functions (see...) have been changed. 6.2.1 (see 6.2.1 in the.2017 version), fault handling function (see 6.2.2 in the.2017 version), communication function (see 6.2.3 in the.2017 version). Version 6.4);
- h) Added power management function (see 6.2.4), backup power supply (see 6.2.5), other functions (see 6.2.6), and distribution transformer terminal function requirements. (See 6.3), Operation and maintenance functions (see 6.4);