Chinastandards.org

ICS 29.02

DL

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

DL/T 2937-2025

Functional requirements for energy exchange device of energy internet

能源互联网能量交换装置功能要求

(English Translation)

Issued by: National Energy Administration

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/dl-t-2937-2025

Chinastandards.org

Table of Contents

[Preview only]
1 Scope
2 Normative References
3 Terms and Definitions
3.1 Basic Names
3.2 Connection (Interconnection) Part
3.3 Operation and Control
3.4 Security
3.5 Others
4 Ratings
4.1 Primary Part
4.2 Secondary Part
4.3 Classification by service environment
5 Design and Construction
5.1 Connection Procedure
5.2 Technical Characteristics and Operation Characteristics of Power Grid to Meet
5.3 Universal Technical Conditions of Connection (Interconnection)
5.4 Classified Connection (Interconnection) Clauses
5.5 Start of New Equipments
5.6 Synchronous grid connection after power supply restoration
5.7 Protection functions
5.8 Communication
5.9 Operation information monitoring
6 Grid Operation
6.1 General
6.2 Load Prediction
6.3 Equipment Maintenance
6.4 Power Generation and Utilization Balancing
6.5 Ancillary Services
6.6 Frequency and Voltage Control
6.7 Load Control
6.9 Stability and Security Countermeasures of System

Preview: page 2 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/dl-t-2937-2025

7 Routine Tests
7.1 Electrical safety
7.2 Temperature rise
7.3 Environmental adaptability
7.4 Mechanical protection
8 Flashover or Withstand Characteristic of Insulators
8.1 Electromagnetic disturbance limits
8.2 Immunity test levels
9 Information to Be Given with Enquiries, Tenders and Orders
9.1 Cooling system
9.2 Auxiliary power supply

1 Foreword

DL/T 2937-2025 was issued by National Energy Administration on 30 June 2025 and has been in force since 30 December 2025.

The DL/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

DL/T 2937-2025 falls under ICS 29.02, in the field of electrical engineering.

This catalogue holds 883 other DL/T standards in that field.

In this catalogue, DL/T standards carry edition years from 1991 to 2026.

3 About this standard

Issued by: National Energy Administration

English translation: about 15 pages (approximate)

4 Classification and status

International classification (ICS): 29.02

Prefix DL/T: recommended standard.

Preview: page 3 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/dl-t-2937-2025