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ICS 27.100

DL

INDUSTRY STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

DL/T 830-2002

Technical reqirements for stoking single phase alternating current static watt-hour meter

静止式单相交流有功电能表使用导则

(English Translation)

Issued by: National Energy Administration

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1 Foreword

DL/T 830-2002 is issued by National Energy Administration.

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

This standard specifies the mechanical and technical requirements, test and inspection rules for alternating current static watt-hour meter. This standard is applicable to manufacture, use and ordering of classes 1 and 2 installed-type single-phase static energy meters (hereinafter referred to as energy meters) for measuring AC active energy with reference frequency of 50 Hz (or 60 Hz).

DL/T 830-2002 falls under ICS 27.100, in the field of energy and heat transfer engineering.

This catalogue holds 1,145 other DL/T standards in that field.

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

3 Normative references

GB/T 2423.1 - Environmental testing for electric and electronic products-Part 2: Test methods-Test A: Cold (idt IEC 60068-2-1:1990)

GB/T 2423.2 - Environmental testing for electric and electronic products-Part 2: Test

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methods-Test B: Dry heat (idt IEC 60068-2-2:1974)

GB/T 2423.4 - Basic environmental testing procedures for electric and electronic products-Test Db: Damp heat, cyclic (eqv IEC 60068-2-30:1980)

GB/T 2423.5 - Environmental testing for electric and electronic products-Part 2: Test methods-Test Ea and guidance: Shock (idt IEC 60068-2-27:1987)

GB/T 2423.10 - Environmental testing for electric and electronic products-Part 2: Test methods-Test Fc and guidance: Vibration (Sinusoidal) (idt IEC 60068-2-6:1982)

GB/T 2423.44 - Environmental testing for electric and electronic products-Part 2: Test methods-Test Eg: Impact, spring hammer (eqv IEC 60068-2-63:1991)

GB/T 2828 - Sampling procedures and tables for lot-by-lot inspection by attributes (Apply to inspection of successive lots or batches)

GB/T 2829 - Sampling procedures and tables for periodic inspection by attributes (Apply to inspection of stability for productive process)

GB/T 5169.10 - Fire hazard testing for electric and electronic products-Test methods-Glow-wire test methods-General (idt IEC 60695-2-1/0:1994)

GB 16910 - Elementary technological conditions of labour health for constructing small industrial enterprises

GB/T 17215 - Alternating current static watt-hour meters for active energy (classes 1 and 2) (idt IEC 61036:1996)

GB/T 17442 - Acceptance inspection for direct connected alternating current static watt-hour meters for active energy (classes 1 and 2) (idt IEC 61358:1996)

GB/T 17626.2 - Electromagnetic compatibility-Testing and measurement techniques-Electrostatic discharge immunity test (idt IEC 61000-4-2:1995)

GB/T 17626.3 - Electromagnetic compatibility-Testing and measurement techniques-Radiated radio-frequency electromagnetic field immunity test (idt IEC61000-4-3:1995)

GB/T 17626.4 - Electromagnetic compatibility-Testing and measurement techniques-Electrical fast transient/burst immunity test (idt IEC61000-4-4:1995)

GB/T 17626.5 - Electromagnetic compatibility-Testing and measurement techniques-Surge immunity test (idt IEC 61000-4-5:1995)

GB/T 17626.11 - Electromagnetic compatibility-Testing and measurement techniques-Voltage dips, short interruptions and voltage variations immunity tests (idt IEC 61000-4-11:1995)

JB/T 6214 - Guideline for reliability verification test and determination test (exponential

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distribution) of instruments and meters

4 About this standard

Issued by: National Energy Administration

English translation: about 15 pages (approximate)

5 Classification and status

International classification (ICS): 27.100

Chinese Standard Classification (CCS): F 2

Prefix DL/T: recommended standard.

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