

Single Phase STS Keypad Prepaid Meter

This single-phase STS keypad prepaid meter provides functions such as metering, monitoring, alarm, display, communication, and load control. It uses the STS standard encryption algorithm to exchange information based on TOKEN.



Overview

Advanced STS Prepaid Metering

The DDZY217(KP1-1) is a robust single-phase prepaid electricity meter utilizing the STS standard encryption algorithm for secure, token-based credit exchange. Designed for accuracy and reliability, it features comprehensive monitoring, load control, and anti-tamper capabilities. This meter is built to withstand harsh conditions while providing flexible tariff management and detailed event logging.

Key Features

Core Functionality

- STS standard encryption algorithm
- Comprehensive metering and monitoring
- Load control capabilities
- Friendly power supply mode
- Anti-tamper protection
- Event logging (overvoltage, bypass, cover open, etc.)

TOU Tariff Support

Four Tariffs, Two Time Zone Tables, Two Time Period Tables, Public Holiday Support, Weekend Support

Technical Specifications

Electrical Ratings

220 V

Reference Voltage

60 A

Max Current

60 Hz

Frequency

Performance Data

Parameter	Value
Accuracy Class	Class 1
Power Consumption	<1.5W, 6VA
RTC Deviation	d0.5/d
Service Life	15 years

Operating Conditions

Condition	Range
Operation Temperature	-25°C to +60°C
Limited Temperature	-40°C to +70°C
Operation Voltage	0.8Un - 1.2Un

Physical Dimensions

Physical Size	184mm x 120mm x 55mm
Net Weight	0.7 kg

Connectivity

Communication Interfaces

Optical Port • RS485 • PLC (Optional) • RF (Optional) • GPRS (Optional)

Compliance

International Standards	IEC62052-11, IEC62053-21, IEC62053-23, IEC62055-31, IEC62055-41, IEC62055-51
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