

Three-Phase STS Keypad Prepaid Meter with Interchangeable Module

This three-phase STS keypad prepaid meter includes metering, monitoring, alarm, display, communication and load control functions. The meter uses STS standard encryption for secure information exchange via TOKEN.



Overview

Three-Phase STS Keypad Prepaid Meter

The DTZY217(KP2-1) is a robust three-phase STS-compliant prepaid meter designed for precise electricity metering and load control. It features an integrated keypad for secure token-based recharging and supports advanced functions like Time-of-Use (TOU) tariffs and comprehensive event logging. With its interchangeable module design and multiple communication interface options, this meter offers high compatibility and flexibility for residential and commercial energy management.

Key Features

Core Functionalities

- STS standard encryption algorithm
- Time-of-Use (TOU) with four tariffs
- Friendly power supply mode
- Comprehensive event logging (tamper, over/under voltage, etc.)
- Interchangeable communication module

Communication Interfaces

Optical Port, RS485, PLC, RF, GPRS, 3G, Twist-wire

Technical Specifications

Electrical Ratings

80 A

Rated Current

400 V

Max Voltage

60 Hz

Frequency

Compliance Standards

IEC62052-11 • IEC62053-21 • IEC62053-23 • IEC62055-31 • IEC62055-41 • IEC62055-51

Operating Environment

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

Physical Characteristics

Physical Dimensions

- Size: 290mm (L) x 170mm (W) x 85mm (H)
- Net Weight: ~2.6kg
- Service Life: 15 years