

# 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