

# Three-Phase Smart Meter with Communication

This three-phase smart meter measures import and export active and reactive energy. It supports time-of-use (TOU) and step tariff functions, with optional PLC or RF module for remote load control.



## Overview

### Advanced Three-Phase Smart Metering

The DZY217(12-1) is a versatile three-phase smart meter designed for precise measurement of import and export active energy, as well as inductive and capacitive reactive energy. Equipped with Time-of-Use (TOU) and step tariff functions, it offers flexible billing capabilities for professional energy management. The device supports remote load control and features robust communication options, including infrared, RS485, and optional PLC or RF modules, making it an ideal solution for modern smart grid applications.

## Technical Specifications

### Accuracy Class

- Active: Class 0.2S, 0.5S or Class 1
- Reactive: Class 2

### Reference Voltage

- 3x57.7/100V
- 3x120/208V
- 3x220/380V

### Current Range

- CT connection: 1.5(6)A, 5(6)A, 5(10)A
- Direct connection: 10(40)A, 10(60)A, 20(80)A, 10(100)A

### Standards Compliance

IEC62052-11, IEC62053-21, IEC62053-22, IEC62053-23

### Reference Frequency

50 Hz

## Environmental & Durability

### Operating Temperature

-25°C to +60°C

### Limited Operation Temperature

-40°C to +70°C

### Design Life Time

15 years

## Communication & Features

### Communication Interfaces

Infrared • RS485 • PLC/RF (Optional) • GPRS (Optional)

### Remote Load Control

Yes

## Physical Dimensions

Dimensions (LxWxH)	290mm x 170mm x 85mm
Net Weight	2.8 kg