

# Single Phase Multifunction Electronic Energy Meter

This single phase multifunction energy meter measures single phase a.c. active energy and maximum demand. It supports communication via Infrared or RS485 and features multi-tariff and anti-tamper functions.



## Overview

### Advanced Multifunction Metering

The DDZY217(S18-1) is a robust single-phase electronic energy meter engineered for precise measurement of active energy and maximum demand. Featuring multi-tariff capabilities and advanced anti-tamper security, this device is designed for reliability and longevity in diverse operational environments. It utilizes high-quality components and SMT manufacturing to ensure low power consumption and consistent performance over a 15-year service life.

## Technical Specifications

### Accuracy Class

Class 1.0 • Class 2.0

### Reference Voltage

- 120V
- 220V
- 230V
- 240V

### Current Ratings

- 5(20)A
- 5(60)A
- 5(100)A
- 10(40)A
- 10(80)A
- 10(100)A
- 15(100)A
- 20(100)A

### Standards Compliance

IEC62052-11, IEC62053-21, IEC62053-22, IEC62053-23, IEC62056-21

## Performance Metrics

### Key Performance Metrics

**50 Hz**

Reference Frequency

**15 years**

Service Life

**0.5 s/d**

RTC Deviation

### Power Consumption

d1.0, 8VA

## Environmental Conditions

Operating Temperature	-25 to +55
Limited Operating Temperature	-40 to +70

## Physical Dimensions

### Physical Specifications

Attribute	Value
Length	170.5 mm
Width	112 mm
Height	58 mm
Net Weight	~0.6 kg