

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