

Single Phase Smart Meter with Interchangeable Module

This single-phase smart meter measures both import and export active energy. It features time-of-use and step tariff functions and supports PLC or RF module communication for remote control of load disconnection and reconnection.



Overview

Advanced Smart Energy Metering

The DDZY217 is a versatile single-phase smart meter designed for precise import and export active energy measurement. It features advanced tariff management capabilities, including Time-of-Use (TOU) and step tariff functions, making it ideal for modern grid management. With remote load control and interchangeable communication modules, this meter offers flexibility for various utility and commercial applications.

Key Features

Core Functionalities

- Import and export active energy measurement
- Time-of-Use (TOU) and step tariff support
- Remote load disconnection and reconnection
- Event recording and storage (minimum 10 records per event)
- Local and remote firmware update capability
- DLMS/COSEM compliant communication management

Electrical Specifications

Current Range (Ib/Imax)

5 A

Base Current

100 A

Maximum Current

Rated Voltage (Un)	3x110V, 3x230V
Starting Current	0.4 % Ib
Frequency	50 Hz

Performance

Accuracy Class	Active Energy: Class B (MID), Reactive Energy: Class 2.0
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Communication

Local Communication Ports

- Optical IR interface
- RS485 (RJ12 port, IEC62056-21 compliant)

WAN Communication Modules

GPRS/3G/4G • NBIOT • LORA • RF • G3-PLC • PRIME

Sub-metering Support

M-BUS (RJ12/RJ15), wireless M-BUS, EN13757 protocol