

# Single Phase Smart Energy Meter with Built-in Module

This single-phase smart energy meter measures both import and export active energy. It supports time-of-use (TOU) and step tariff functions, and includes a module for PLC or RF communication, with remote load disconnect/reconnect capabilities.



## Product Overview

### Smart Metering Solution

The DDZY217 (S26-1) is a versatile single-phase smart energy meter designed to accurately measure both import and export active energy. It features advanced functionality including TOU (Time of Use) and step tariff capabilities, with support for PLC or RF modules for remote communication. The device allows for remote load control, enabling disconnection and reconnection, and provides comprehensive data logging and event tracking, making it an ideal choice for modern energy management systems.

## Technical Standards

Compliance Standards	IEC62052-11, IEC62053-21
Accuracy Class	Active: Class 1
Protocol	DL/T 645-2007

## Electrical Specifications

### Reference Voltage

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

Reference Frequency	50 Hz
Power Consumption	<1.5W, 6VA (per phase)

## Operating Environment

Operating Temperature	-25°C to +60°C
Limited Operation Temperature	-40°C to +70°C

## Physical Dimensions

Dimensions (L x W x H)	160mm x 112mm x 71mm
Net Weight	0.6 kg

## Key Features

### Core Functionalities

- Import and export active energy measurement
- TOU and step tariff support
- Remote load disconnection and reconnection
- Large LCD with backlight
- Data freezing (daily, hourly, occasional, immediate)
- Event logging (up to 10 events)