

Single Phase Smart Prepaid Energy Meter

This single-phase smart prepaid meter has both AMI functions and split/integrated functions. Equipped with a communication modem, it supports remote reading, monitoring, and operation.



Product Overview

Smart Energy Management

This Single Phase Smart Prepaid Energy Meter offers advanced measurement capabilities for both active and reactive energy, designed for residential and light commercial use. It features robust STS/CTS accreditation and DLMS/COSEM compatibility to ensure an open, secure, and interoperable communication system. With flexible tariff structures, remote firmware upgrades, and comprehensive load control functions, it provides a reliable solution for modern utility management.

Technical Specifications

Rated Current

5 A

Base Current

60 A

Max Current

Ingress Protection

IP54

Accuracy Class

Measurement Type	Class
Active Energy	Class 1
Reactive Energy	Class 2

Rated Voltage

230 V

Frequency

50 Hz

Communication & Connectivity

Supported Modems

- GPRS
- 3G/4G
- PRIME-PLC
- G3-PLC
- Mesh RF
- Ethernet

Supported Protocols

DLMS/COSEM, HDLC, IPV4

Features & Functionality

Measurement Capabilities

- Import/Export Active & Reactive Energy
- Daily/Monthly Consumption
- Maximum & Cumulative Demand
- Instantaneous Parameters (V, I, Power, PF, Frequency)

Load Control Events

Overload, Arrearage, Tamper, Malfunction, Fire Disaster

Standards & Compliance

Compliance Standards

STS, CTS, DLMS UA, IEC 62053-21, IEC 62053-23