

Three-Phase Smart Prepaid Meter with AMI Functionality

This three-phase smart prepaid meter offers both AMI and prepaid functionalities. It supports remote reading, monitoring, and operation via a communication modem, facilitating efficient asset management.



Overview

Advanced Smart Energy Management

This three-phase, four-wire smart prepaid meter offers comprehensive energy measurement capabilities, including active and reactive energy, daily and monthly consumption, and maximum demand tracking. Designed for modern AMI infrastructure, it supports both local and remote recharging, multi-step tariffs, and advanced load control functions. With its robust communication protocols and tamper detection, it provides a secure and flexible solution for utility management.

Technical Specifications

Current Rating

5 A

Base Current

100 A

Max Current

Accuracy Class

Measurement Type	Class
Active Energy	Class 1
Reactive Energy	Class 2

Voltage Rating 400 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

Measurement Capabilities

- Active/Reactive Energy
- Daily/Monthly Consumption
- Maximum Demand
- Instantaneous Parameters (V, A, Power, PF, Frequency)

Security & Load Control

- Overload Control
- Arrearage Control
- Tamper Detection
- Fire Disaster Control
- Event Logging

Standards Compliance

IEC 62053-21 • IEC 62053-23 • STS/CTS Accredited • DLMS UA Accredited