

DIN Rail Single Phase Electronic Energy Meter

This single-phase electronic energy meter is designed for DIN rail mounting. It accurately measures electrical energy consumption and is suitable for residential and commercial applications.



ADDITIONAL IMAGES



Overview

Compact Energy Monitoring Solution

This DIN rail mounted single-phase electronic energy meter is engineered for high-accuracy measurements in low-voltage energy markets. Featuring a compact design and 63A direct connect input, it provides a comprehensive monitoring solution for voltage, current, power, and frequency. Designed for seamless integration into energy management systems, it supports standard RS-485 communication with Modbus RTU protocol.

Key Features

Measurement Capabilities

- Voltage, Current, kW, kvar, kVA
- Power Factor (PF) and Frequency
- kWh and kvarh (Imp/Exp/Tot/Net)
- kVAh
- Device Operating Time (Running Hour)

Compliance & Certification

IEC 62053-21: 2020 Class 0.5, NMI M6-1 Class 1 Certified

Technical Specifications

Performance Metrics

63 A

Max Current

20 mA

Starting Current

1000 imp/kWh

Pulse Output

Current Specifications

Parameter	Value
Basic Current (Ib)	5A
Max Current (Imax)	63A
Starting Current (Ist)	0.02A (0.4% Ib)
Minimum Current (Imin)	0.25A (5% Ib)

Physical & Environmental

IP Rating

IP51 (Front) • IP30 (Body)

Dimensions

36 x 65 x 90 mm

Operating Temperature

-25°C to +70°C

Connectivity

Communication

RS-485 with Modbus RTU