

# 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