

Single Phase DIN Rail Modbus Electric Meter with LCD

This single-phase energy meter mounts on a DIN rail for easy installation. It features an LCD display for clear readings and Modbus communication for data transfer.



ADDITIONAL IMAGES



Product Overview

Advanced Single-Phase Energy Monitoring

The 19D series is a versatile DIN-rail mounted energy meter designed for high-precision residential and industrial energy management. It features bi-directional metering, making it an ideal solution for solar energy applications and smart energy projects. With integrated Modbus-RTU communication and a tamper-proof design, this meter ensures reliable data acquisition and revenue-grade accuracy.

Key Features

Performance Highlights

80 A

Max Direct Current

0.5 %

Accuracy Class

1600 imp/kWh

Pulse Constant

Measurement & Input

Rated Voltage	230 V
Input Voltage Range	10-400Vac direct input
System Frequency	50Hz / 60Hz compatible
Current Range	0.04A (start) to 80A (max)

Communication & Integration

Communication Protocol

Modbus-RTU • RS-485 • DL/T645-2007

Wireless Transmission

4G, 5G, LoRa

Physical & Installation

Mounting Type	35mm DIN-rail
Module Width	2 modules (35mm)
Net Weight	130 g

Environmental Conditions

Operating Temperature	-25°C to 55°C
Operating Humidity	0-90% RH (non-condensing)

Compliance & Standards

International Standards

- IEC 62053-21 Class 1.0
- IEC 62053-22 Class 0.5
- CE Certified

Applications

Target Applications	Residential Metering, Solar Energy, Public Facilities, Industrial Monitoring
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Technical Specifications

Isolation & Safety

Test Parameter	Rating
Withstand Voltage	AC 2KV for 1 minute
Surge Test	6KV (1.2us waveform)
Isolation Resistance	>5M Ω