



Single Phase Electronic Energy Meter

Features

- Single Phase
- Class 0.5 accuracy
- Permanent Display
- Real time measurement Voltage, Current, Power, Power factor, Frequency
- Modbus RTU
- Protection IP51

Application

- Tenant office building
- Food concessions campus
- Entertainment facilities
- Shopping mall
- Airport
- Utility metering
- Commercial building

Overview

The HEM 670 DIN rail single phase electronic type energy meter is designed special for energy management system (EMS) with Modbus RTU Protocol. The total energy consumption is showing via 7 digits LCD display. This meter can connect up to 100A directly. With Modbus RTU protocol can configured as a slaves meter and easy to remote from BAS, PLC & SCADA. The high accuracy, wide operating range and very low starting current makes it the ideal choice. The SMT (Surface Mount Technology) design and construction guarantee a long and service free life. The design of the register ensure easy reading of the meter and permanent display.

Specification

Voltage Rating :

1 x 220V/230V/240VAC, 50 or 60HZ

Current Rating :

Direct Connect: 5(100A) or CT: 1.5(6A)

Real-time Measurement :

Voltage, Current, Power, PF & Frequency

Accuracy :

0.5 Class

Standard Refer :

IEC61557, IEC61000

Surge Test :

6KV, 1.2/50micro sec.

Insulation :

2.0KVms/min.

Power Consumption :

≤ 2VA/phase

Expected Life :

> 50,000 hours

Display :

7 digits of LCD display.

Starting Current :

20mA

Resolution :

0.1 kWh

Pulse Output :

800 pulse/kWh

Temperature :

-20 to 55 °C, 5% ~ 95% RH

Communication :

Modbus RTU, Baudrate 9600bps (default)

Mounting Type :

Standard 35mm DIN rail mounting

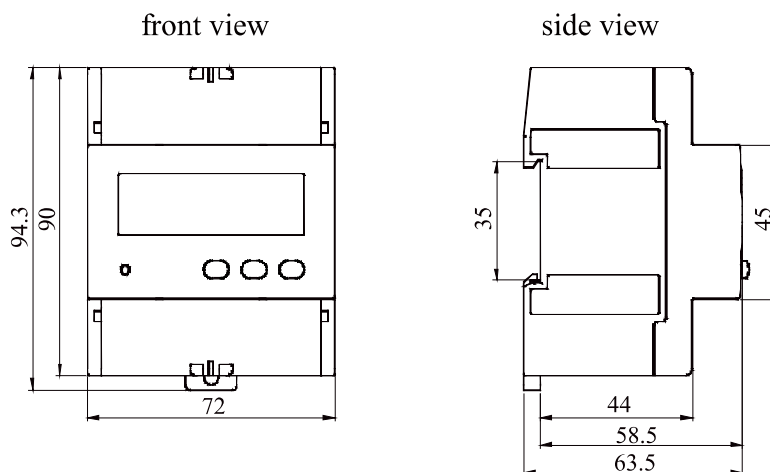
Size :

94.3(H)x72(W)x63.5(D)mm

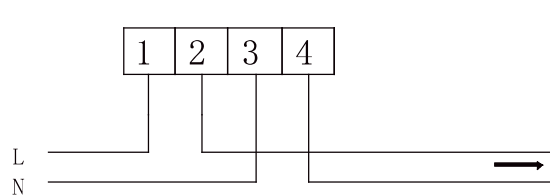
Weight :

420g

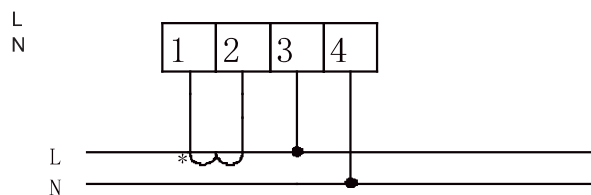
Dimension



Wiring Diagram

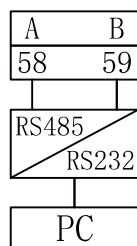


single phase direct connection

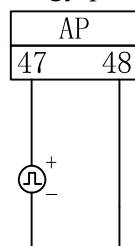


single phase connection via CT

communication



energy pulse



Order Information

