LHE34C

Three-Phase DIN-Rail Meter with External Open-Type CT

Product Overview

LHE34C is a compact three-phase DIN-rail energy meter with external open-type CT, designed for energy measurement and real-time power monitoring.
With RS485 / Modbus-RTU communication and fast data refresh, it is ideal for PV, energy storage, inverter monitoring and distributed energy applications.



Application

- Photovoltaic Systems
- Energy Storage Systems
- Inverter Monitoring
- Distributed Energy Systems

Key Functions

Energy Metering

- Import / Export Active Energy
- Import / Export Reactive Energy (Optional)

Communication

- RS485 / Modbus-RTU
- Wireless Expansion (Optional)

Real-Time Monitoring

- Voltage & Current
- Frequency & Power Factor
- Total & Per-Phase Power / Power Factor

Display

- LCD Display
- Optional Backlight



Product Highlights

External Open-Type CT
Flexible wiring and easy installation.

Communication Function
RS485 communication supports up to 115200 baud rate.

50 ms Fast Refresh
Real-time electrical data refresh in as fast as 50 ms.

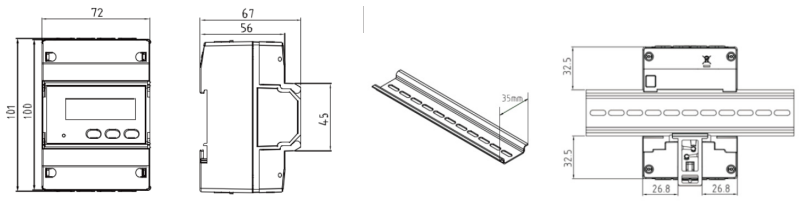
Module Expansion Interface
12 V / 2.5 W power supply supports Bluetooth, Wi-Fi and other wireless modules.

Specifications

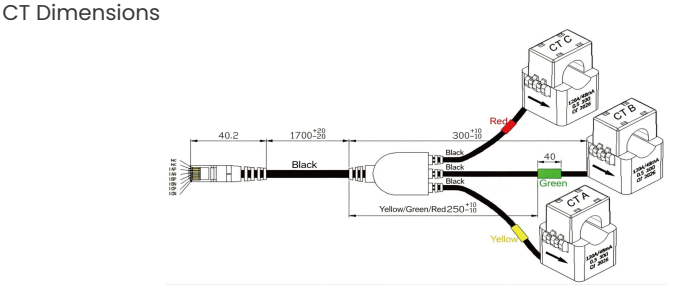
Parameter |	Specification
Connection	Three-phase, 4-wire (3P4W) / Three-phase, 3-wire (3P3W)
Voltage	Nominal voltage: 3 × 120 / 208 V; 3 × 127 / 220 V; 3 × 230 / 400 V; 3 × 240 / 415 V; 3 × 254 / 440 V; Operating voltage range: 70% Un – 130% Un
Current	10 A / 5 mA; 120 A / 48 mA; 250 A / 50 mA Supports two three-phase loops
Accuracy	Active energy: Class 1 / Reactive energy: Class 2
Frequency	50 / 60 Hz
Temperature	Operating: -25°C to +55°C Storage & transport: -40°C to +85°C
Humidity	Up to 95%, non-condensing
Power Consumption in Voltage Circuit	≤2W,10VA
Power Consumption in Current Circuit	≤1VA
Communication Port	RS485 / Modbus-RTU
Baud Rate	1200 / 2400 / 4800 / 9600 / 19200 / 38400 / 115200 bps, configurable
Dimension (HxWxD)	101 × 72 × 67 mm
Certification	CE, RoHS

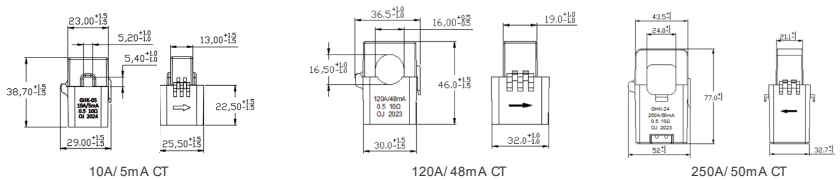
Dimensions

Meter Dimensions



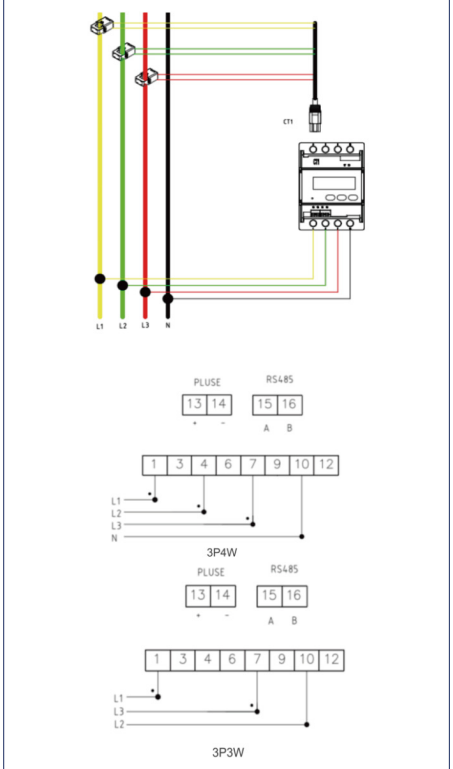
CT Dimensions





10A/ 5mA CT　　120A/ 48mA CT　　250A/ 50mA CT

Connection Diagram



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