Open Energy for All

THREE-PHASE SMART METER

HMeter-CT-T120-RW



Features

01 DIN-35 rail snap-on mounting supports quick deployment

02 High-accuracy power monitoring enables precise energy measurement

03 Supports both WLAN and RS-485 communication for reliable connectivity

04 Slim and lightweight 1P-width design saves installation space and allows flexible mounting

05 Features a quick-connect design for connection with CT, making wiring simple and fast

Technical Specifications

Model	HMeter-CT-T120-RW
Electrical Specifications	
Grid type	3P3W, 3P4W
Input voltage range	90 to 277 V ac L-N, 156 to 480 V ac L-L
Frequency	50/60 Hz
Current range	0 to 120 A
Power consumption	2 W
Overvoltage category	CAT III
Measurement Accuracy	
Power	±1%
Active power	±1% (conforming to IEC 62053-21 Class 1)
Reactive power	±2%
Frequency	±0.2%
Current	±0.5% (4 to 120 A) ±1% (1 to 4 A) ±3% (0.06 to 1 A)
Voltage	±0.5%
Power factor	±0.1%
Communication Specifications	
Supported communication interface	WLAN / RS-485
Baud rate (by default)	9600
Port protocol	Modbus TCP / Modbus RTU
Wi-Fi	802.11 b/g/n
Wi-Fi range*	30 m (Indoor) 50 m (Outdoor)
Bluetooth protocol	BLE 5.0
Mechanical Specifications	
Dimensions (W × H × D)	19 × 94.5 × 68.5 mm
Weight	86 g
Operating temperature range	-40°C to +70°C
Storage temperature range	-40°C to +85°C
Relative humidity	≤95%RH, non-condensation
Altitude	≤2000 m
Enclosure protection rating	IP20
Mounting mode	Snap-on By DIN 35 Rail
Current transformer cable length	1 m

*: The actual Wi-Fi signal reception range depends on on-site conditions.

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