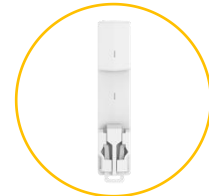


Products

– Energy Control & Management

PC4713-W
-485

Smart Anti-Backflow Energy Meter



Description

PC4713-W-485 Monitor real-time energy consumption and solar PV generation in three-phase, four-wire power systems. The meter is also compatible with single-phase and split-phase electrical systems. Data can be transmitted directly to your cloud server or accessed locally, with no dependency on any third-party public cloud platform.

Main Features

- Supports WiFi and RS485 connectivity for flexible integration and communication.
- Compatible with three-phase four-wire, single-phase, and split-phase power systems.
- Monitor your energy consumption in real time using three CT clamps.
- Real-time monitoring of voltage, current, power factor, frequency, active power, reactive power, and apparent power.
- Supports bidirectional energy monitoring, including import/export active power and energy consumption/generation.
- Wi-Fi communication supports HTTP, MQTT, and Modbus TCP protocols.
- RS485 communication supports the Modbus RTU protocol.

Main Spec

Connectivity	
Wi-Fi	<ul style="list-style-type: none"> • 802.11 b/g/n @2.4GHz • HTTP/ MQTT/ Modbus TCP
RS485 Port	<ul style="list-style-type: none"> • Modbus RTU
Physical Specifications	
Operating Voltage (RMS for each phase)	90~277 Vac 50/60Hz
Support System	<ul style="list-style-type: none"> • Three Phase Four Wire • Single Phase • Split Phase
Metering Data	<ul style="list-style-type: none"> • Voltage • Current • Power Factor • Frequency • Active Power • Reactive Power • Apparent Power
Voltmeters Accuracy	<ul style="list-style-type: none"> • $\pm 1\%$
Ammeters Accuracy	<ul style="list-style-type: none"> • 80A CT: $\pm 1\%$ (1-80A) , $\pm 2\%$ (0-1A) • 120A CT: $\pm 1\%$ (2-120A) , $\pm 2\%$ (0-2A) • 200A CT: $\pm 1\%$ (2-200A) , $\pm 2\%$ (0-2A) • 300A CT: $\pm 1\%$ (6-300A) , $\pm 2\%$ (2-6A) , $\pm 5\%$ (0-2A) • 500A CT: $\pm 1\%$ (6-500A) , $\pm 2\%$ (2-6A) , $\pm 5\%$ (0-2A) • 750A CT: $\pm 1\%$ (6-750A) , $\pm 2\%$ (2-6A) , $\pm 5\%$ (0-2A)
Data Refresh	<ul style="list-style-type: none"> • 100ms
Response Time	<ul style="list-style-type: none"> • 50ms (RS485) • 200ms (Wi-Fi)
Operating Environment	<ul style="list-style-type: none"> • Temperature: $-20\text{ }^{\circ}\text{C} \sim +55\text{ }^{\circ}\text{C}$ • Humidity: $\leq 90\%$ non-condensing
Mount Type	<ul style="list-style-type: none"> • 35mm DINrail Mounting
Dimension	<ul style="list-style-type: none"> • 19(W) x 69(D) x 90(H)mm

