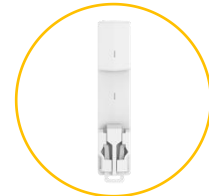


## Products

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

