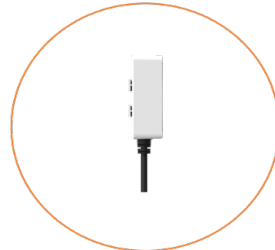
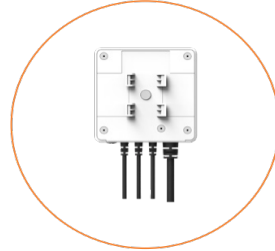


Products

– Energy Control & Management

PC321-W
/3W

Single/3-Phase Power Clamp



Description

PC321-W/3W helps you monitor the amount of electricity Consumed and Produced in your three-phase power system by connecting the clamps on to the power cables. It is also compatible with split-phase and single-phase. The real-time data can be reported directly to your cloud server without going through a third-party public cloud.

Main Features

- Open API for MQTT, wireless communication via Wi-Fi 2.4GHz
- Three-Phase(included 3P3W), Split-Phase and Single-Phase electricity system compatible
- Remotely monitor whole home Energy with three current transformers
- Real-time Voltage, Current, PowerFactor, Frequency, ActivePower, measurement
- Bidirectional measurement: Energy Usage / Solar Production
- External antenna prevents signal from being shielded
- Support HA platform integration

Main Specifications

Connectivity	
Wi-Fi	• 802.11 b/g/n @2.4GHz
BLE	• For Pairing
RF Characteristics	• Operating frequency: 2.4GHz • External magnetic antenna
Physical Specifications	
Un	• 3x230/400V AC (4-wire) • 3x400V AC (3-wire), 50/60Hz
Voltage Range	• 90-277 V (L-N) • 156-480 V (L-L)
Supported Systems	• Single-Phase • Split-Phase • Three-Phase (3-Phase 3-Wire & Delta & Y connection are supported)
Power Consumption	• <2W
Voltmeters Accuracy	• $\pm 1\%$
Ammeters Accuracy	• 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)
Clamp Inner Dimension	• 80A (default): Ø10mm • 120A(optional): Ø16mm • 200A(optional): Ø20mm • 300A(optional): Ø24mm • 500A(optional): Ø36mm • 750A(optional): Ø51mm
Reporting Cycle	• 10s (default, can be set in integration)
Operating Environment	• Temperature: -20 °C~+55 °C • Humidity: $\leq 90\%$ non-condensing
Mount Type	• Wall mounting (default) • DIN rail mounting (optional)
Dimension	• 86(W) x 37(D) x 86(H)mm
Certification	• CE