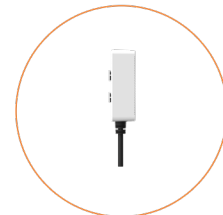
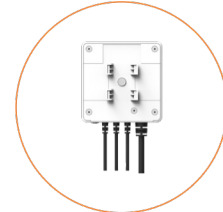


Products

– Energy Control & Management

PC321-W
-TY/N

Single/3-Phase Power Clamp



Description

PC321-W-TY/N helps you monitor the amount of electricity Consumed and Produced in your three phase power system by connecting the clamp on to the power cable. It is also compatible with single phase and split phase.

Main Features

- TUYA compliant, supporting automation scenarios and HA platform integration
- Three-Phase Four-Wire, Split-Phase and Single-Phase system compatible
- Remotely monitor whole home Energy with three current transformers
- Wi-Fi communication, fast configuration, suitable for environments with inconvenient wiring.
- Real-time Voltage, Current, PowerFactor, ActivePower, Frequency, measurement
- Bidirectional measurement: Energy Usage / Solar Production
- Historical data can be displayed and exported in the App
- External antenna prevents signal from being shielded
- Functions such as Data Erasure, CT Setting, Notification, etc

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, 50/60Hz
Voltage Range	• 90-277 V
Supported Systems	• Single-Phase • Split-Phase • Three-Phase (3-Phase 3-Wire & Delta system are not 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	• Every 15 seconds
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