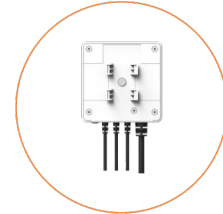
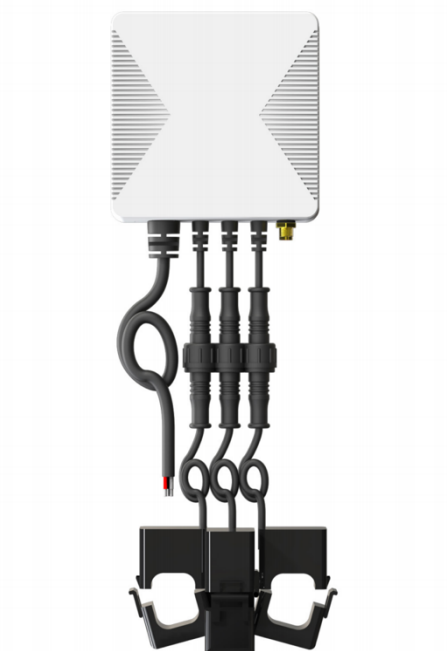


Products

– 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. Support automation with other Tuya device by export and import of grid or other energy values
- Single Phase, Split Phase, 3-Phase 4-Wire 480Y/277VAC electricity system compatible
- Remotely monitor whole home Energy with three current transformers
- Wireless communication via Wi-Fi 2.4GHz
- 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

Main Specifications

Connectivity	
Wi-Fi	<ul style="list-style-type: none"> • 802.11 b/g/n @2.4GHz
BLE	<ul style="list-style-type: none"> • For Pairing
RF Characteristics	<ul style="list-style-type: none"> • Operating frequency: 2.4GHz • External magnetic antenna
Physical Specifications	
Operating Voltage (RMS for each phase)	<ul style="list-style-type: none"> • 90~277 Vac 50/60Hz
Supported Systems	<ul style="list-style-type: none"> • Single-Phase • Split-Phase • Three-Phase up to 480Y/277VAC (No Delta/wye/Y/Star Connection)
Power Consumption	<ul style="list-style-type: none"> • <2W
Voltmeters Accuracy	<ul style="list-style-type: none"> • ±1%
Ammeters Accuracy	<ul style="list-style-type: none"> • 80A CT: ±1% (1-80A) , ±2% (0-1A) • 120A CT: ±1% (2-120A) , ±2% (0-2A) • 200A CT: ±1% (2-200A) , ±2% (0-2A) • 300A CT: ±1% (6-300A) , ±2% (2-6A) , ±5% (0-2A) • 500A CT: ±1% (6-500A) , ±2% (2-6A) , ±5% (0-2A) • 750A CT: ±1% (6-750A) , ±2% (2-6A) , ±5% (0-2A)
Clamp Inner Dimension	<ul style="list-style-type: none"> • 80A (default): Ø10mm • 120A(optional): Ø16mm • 200A(optional): Ø20mm • 300A(optional): Ø24mm • 500A(optional): Ø36mm • 750A(optional): Ø51mm
Reporting Cycle	<ul style="list-style-type: none"> • Every 15 seconds
Operating Environment	<ul style="list-style-type: none"> • Temperature: -20 °C~+55 °C • Humidity: ≤ 90% non-condensing
Mount Type	<ul style="list-style-type: none"> • Wall mounting (default) • DIN rail mounting (optional)
Dimension	<ul style="list-style-type: none"> • 86(W) x 37(D) x 86(H)mm
Certification	<ul style="list-style-type: none"> • CE