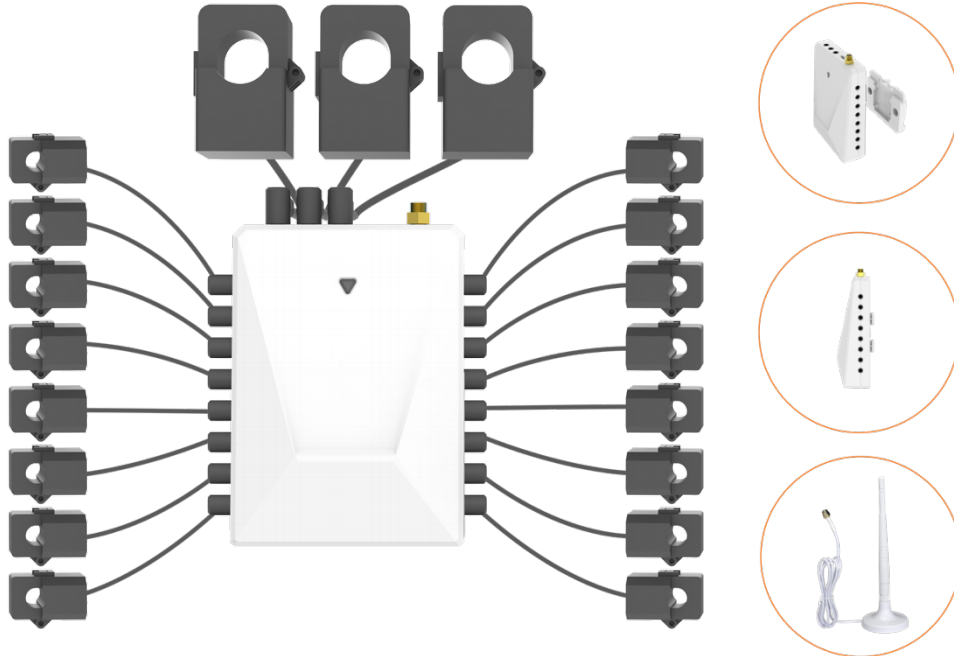


Products

– Energy Control & Management

PC341-W
-TY/N

Multi-Circuit Energy Monitor



Description

PC341-W-TY/N helps you monitor the amount of electricity Consumed and Produced in your facility by connecting the clamp on to the power cable. Monitor whole home Energy and up to 16 individual circuits.

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 and up to 16 individual circuits with 50A Sub CT, like Solar, lighting, receptacles
- Wireless communication via Wi-Fi 2.4GHz
- Real-time Voltage, Current, PowerFactor, ActivePower, Frequency, measurement
- Bidirectional Measurement : Energy Usage / Solar Production
- Historical data could be displayed and exported in App
- External antenna prevents signal from being shielded

Standard models

Split-Phase (US)	
PC341-W-TY/200A*2	• 2*200A Main CT
PC341-W-TY/200A*2/50A*16	• 2*200A Main CT • 16*50A Sub CT
3-Phase (EU)	
PC341-W-TY/200A*3	• 3*200A Main CT
PC341-W-TY/200A*3/50A*16	• 3*200A Main CT • 16*50A Sub CT

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	
Operating Voltage (RMS for each phase)	• 90~277 Vac 50/60Hz
Supported Systems	• Single-Phase • Split-Phase • Three-Phase up to 480Y/277VAC (No Delta/wye/Y/Star Connection)
Power Consumption	• <2W
Voltmeters Accuracy	• ±1%
Ammeters Accuracy	• 200A CT: ±1% (2-200A) , ±2% (0-2A) • 50A CT: ±1% (1-50A) , ±2% (0 -1A)
Clamp Inner Dimension	• 200A CT: Ø20mm • 50A CT: Ø10mm
Reporting Cycle	• Every 15 seconds
Main Current Transformer(CT)	• 3.5mm three-Pole audio connector with 1m cable • 200A(Default) • 300A/500A(Optional)
Sub Current Transformer(CT)	• 2.5mm three-Pole audio connector with 1m cable • 50A(Default) • 80A/120A(Optional)
Operating Environment	• Temperature:-20 °C~+55 °C • Humidity: ≤ 90% non-condensing
Mount Type	• Wall or DIN rail mounting
Certification	• CE