

Products

– Energy Control & Management

PC341-
W-TY

Multi-Circuit Power Meter

WiFi

tuya



Description

PC341-W-TY helps you monitor the amount of electricity Consumed and Producedn in your facility by connecting the clamp on to the power cable. Monitor whole home Energy and up to 2 individual circuits.

Main Features

- Tuya compliant. Support automation with other Tuya device by export and import of grid or other energy values
- Single, Split-Phase 120/240VAC, 3-Phase/4-wire 480Y/277VAC electricity system compatible
- Remotely monitor whole home Energy and up to 2 individual circuits with 50A Sub CT, like Solar, lighting, receptacles
- Bi-Directional measurement: Show how much energy you are producing, energy consumed and excess energy back to the grid
- Real-time Voltage, Current, PowerFactor, ActivePower, Frequency measurement
- Historical data of Energy Consumed and Energy Production is displayed in Day, Month, Year
- External antenna prevents signal from being shielded

Standard models

Split-Phase (US)	
PC341-2M(200A)-W-TY	<ul style="list-style-type: none">• 2*200A Main CT
PC341-2M(200A)2S(50A)-W-TY	<ul style="list-style-type: none">• 2*200A Main CT• 2*50A Sub CT
3-Phase (EU)	
PC341-3M(200A)-W-TY	<ul style="list-style-type: none">• 3*200A Main CT
PC341-3M(200A)2S(50A)-W-TY	<ul style="list-style-type: none">• 3*200A Main CT• 2*50A Sub CT

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 Wi-Fi Pairing
RF Characteristics	<ul style="list-style-type: none">• Operating frequency: 2.4GHz• External magnetic antenna
Physical Specifications	
Operating Voltage	<ul style="list-style-type: none">• 90~380 Vac 50/60 Hz
Supported Systems	<ul style="list-style-type: none">• Single-Phase up to 380VAC line-neutral• Split-Phase 120/240VAC• Three-Phase up to 480Y/277VAC (No Delta/wye/Y/Star Connection)
Calibrated Metering Accuracy	<ul style="list-style-type: none">• $\pm 2\%$
Reporting Cycle	<ul style="list-style-type: none">• Every 15 seconds
Main Current Transformer(CT)	<ul style="list-style-type: none">• 3.5mm three-Pole audio connector with 1m cable• 200A(Default)• 120A(Optional)• 80A(Optional)
Sub Current Transformer(CT)	<ul style="list-style-type: none">• 2.5mm three-Pole audio connector with 1m cable• 50A
Operating environment	<ul style="list-style-type: none">• Temperature: $-20\text{ }^{\circ}\text{C}\sim+55\text{ }^{\circ}\text{C}$• Humidity: $\leq 90\%$ non-condensing
Certification	<ul style="list-style-type: none">• CE