

Products

– Energy Control & Management

PC472-W
-TY/R/N

Power Meter with Relay

WiFi

tuya



Description

PC472-W-TY/R/N helps you monitor the amount of electricity Consumed and Produced in your single-phase power system by connecting the clamp on to the power cable. It allows you to turn On/Off of relay and check real-time or historical energy data via mobile App.

Main Features

- Tuya compliant. Support automation with other Tuya device
- Single-Phase electricity system Suitable
- Remotely monitor a single-phase circuit/load, with 2 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
- Max.16A dry contact relay, overload protection and relay setting

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 • Internal antenna
Physical Specifications	
Operating Voltage	<ul style="list-style-type: none"> • 90~277 Vac 50/60Hz
Supported Systems	<ul style="list-style-type: none"> • Single-Phase
Power Consumption	<ul style="list-style-type: none"> • <2W
Voltmeters Accuracy	<ul style="list-style-type: none"> • $\pm 1\%$
Ammeters Accuracy	<ul style="list-style-type: none"> • 20A CT: $\pm 1\%$ (1-20A) , $\pm 2\%$ (0-1A) • 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)
Clamp Inner Dimension	<ul style="list-style-type: none"> • 20A (optional): $\varnothing 5\text{mm}$ • 80A (default): $\varnothing 10\text{mm}$ • 120A(optional): $\varnothing 16\text{mm}$ • 200A(optional): $\varnothing 20\text{mm}$ • 300A(optional): $\varnothing 24\text{mm}$
Relay Type	<ul style="list-style-type: none"> • Max.16A dry contact relay
Reporting Cycle	<ul style="list-style-type: none"> • Energy data: every 15 seconds • Relay status: immediately
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
Mount Type	<ul style="list-style-type: none"> • 35mm DIN rail mounting
Dimension	<ul style="list-style-type: none"> • 35(W) x 65(D) x 90(H)mm
Certification	<ul style="list-style-type: none"> • CE

Dimension

