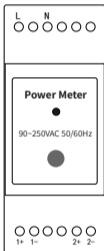


Smart Life App



PC472-W-TY Power Meter Series

Quick Start Guide (PC472-W-TY & PC472-R-W-TY)

Safety Handling

WARNING: Failure to follow these safety notices could result in fire, electric shock, other injuries, or damage to the relay and other property. Read all the safety notices below before using the power meter.

- Avoid high humidity or extreme temperatures.
- Avoid long exposure to direct sunlight or strong ultraviolet light.
- Do not drop or expose the unit to intense vibration.
- Do not disassemble or try to repair the unit yourself.
- Do not expose the unit or its accessories to flammable liquids, gases or other explosives.

Technical Specifications

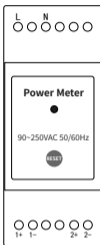
Wireless Connectivity

Wi-Fi	<ul style="list-style-type: none">• 802.11 B/G/N20/N40
BLE	<ul style="list-style-type: none">• Bluetooth 5.2 Low Energy
RF Characteristics	<ul style="list-style-type: none">• Operating frequency: 2.4GHz

Physical Specifications

Operating Voltage	<ul style="list-style-type: none">• 90~250 Vac 50/60 Hz
Calibrated Metering Accuracy	<ul style="list-style-type: none">• $\leq 100W$ (Within $\pm 2W$)• $>100W$ (Within $\pm 2\%$)
Max. Load Current	<ul style="list-style-type: none">• 16A Dry contact (optional)
Operating environment	<ul style="list-style-type: none">• Temperature: $-20\text{ }^{\circ}\text{C} \sim +55^{\circ}\text{C}$• Humidity: $\leq 90\%$ non-condensing
Dimensions	<ul style="list-style-type: none">• 90 (L) x 35(W) x 65 (H) mm

1 Welcome



(without relay)



(with relay)

PC472-W-TY helps you monitor the power consumption in your facility by connecting the clamp to the power cable. It can also measure Voltage, Current, PowerFactor, ActivePower. It allows you to control On/Off status (only for the model with relay) and check real-time energy data and historical usage via mobile App.

This guide will provide you an overview of the product and help you to get through the initial setup.

Features:

- Tuya compliant
- Support linkage with other Tuya devices
- Single phase system compatible
- Measures real-time Voltage, Current, PowerFactor, Active Power and frequency
- Support Energy Usage/Production measurement
- Usage/Production trends by hour, day, month
- Lightweight and easy to install
- Support Alexa, Google voice control
- 16A Dry contact output (optional)
- Configurable on/off schedule
- Overcurrent protection
- Power-on status setting

2 Wiring

Please make sure the main breaker is off before installing!

1. Check the direction of CT

For Split Core CT: Open the clamp to see the arrow (P1→P2) or (K→L) or you can find it on the sticker on the outside of the clamp. This is the direction of CT. The CT support bi-directional sensing.



For Donut CT: The direction is from the concave surface of the CT to the flat surface. The CT support bi-directional sensing.

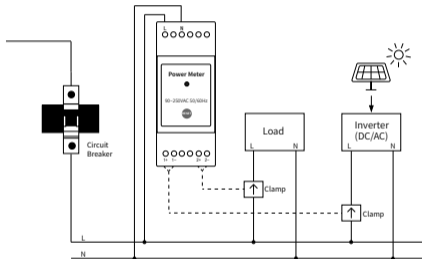


2. Connect AC Input cable to a socket near the Electrical Box to power on the PC472 according to the wiring diagram. And apply the CT on the electric cable and ensure the direction of CT is correct.

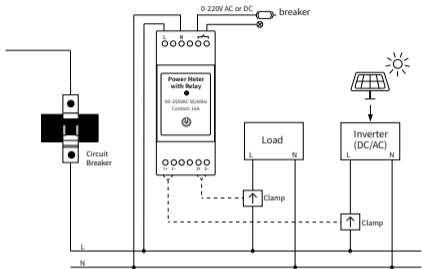
3. To measure energy consumption, the direction of the CT should be consistent with the direction of the electricity current flows. The power will be positive.

4. To measure energy production, the direction of the CT should be opposite to the direction of the electricity current flows. The power will be negative.

5. Please make sure the main power in your facility is off before installing. Follow the schematics below as an example to wire the Power Meter.



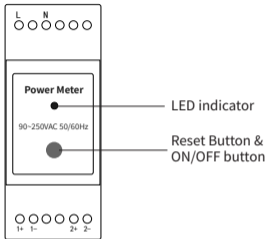
Single phase electricity wiring diagram (without relay)



Single phase electricity wiring diagram (with relay)

Note: Please select the corresponding wiring reference diagram based on the actual product purchased.

3 Get to know your device



Reset button

- **Reset.** Press and hold the reset button for 5 seconds until the LED indicator flashes Red 3 times quickly to clear the WiFi information (energy data will not be cleared). After that, the LED indicator will constantly blink and wait for pairing.

ON/OFF button

- **On/Off.** Press once to switch the Power Meter ON/OFF (only work for devices with relay) .

LED indicator

The LED status gives the following information of the Power Meter (without relay):

LED color	Status	Network
Green	Blinking	Wait for pairing.
	Solid on	Device has connected with cloud.
Red	Blinking	Wi-Fi has been configured, but failed to connect to router.
	Solid on	Device is connected to the router, but failed to connect to the cloud.
	Flash 3 times in a row	Clear network information

The LED status gives the following information of the Power Meter (with relay):

LED color	Status	Relay	Network
Green	Blinking	ON	Wait for pairing.
	Solid on		Device has connected with cloud.
Red	Blinking	OFF	Wait for pairing.
	Solid on		Device has connected with cloud.
Yellow / Green	Rapidly blinking alternately	ON	Device is connected to the router, but failed to connect to the cloud.
Yellow / Red		OFF	
Yellow / Green	Slowly blinking alternately	ON	Wi-Fi has been configured, but failed to connect to router.
Yellow / Red		OFF	

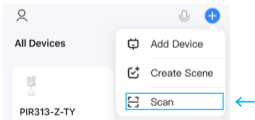
4 Configure Network

Download App

Please download the application: **Smart Life** from App Store or App Market. Also you can scan below QR code to download and install.



1. Open **Smart Life** app and click the 'Scan' button in the upper right corner of the App Home page.



2. Scan the corresponding QR code below to configure the network.



(without relay)



(with relay)

5 FAQ

Overcurrent protection (with relay)

Conditions:

1. When the continuous current exceeds 15% of the preset value (can be set on the App), the device will cut off the power supply to the load within 5 seconds.

2. When the continuous value detected by the device exceeds 50% of the rated current (Can be set on the App) within 1s, the device will cut off the power supply to the load.