

Products

– Energy Control & Management

PC473-W
-TY/R/N

Power Meter with Relay



Description

PC473-W-TY/R/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. 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 by export and import of grid or other energy values
- Single 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
- Max.16A dry contact relay, overload protection and relay setting
- Support Alexa, Google Assistant voice control relay

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 (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 • 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"> • $\pm 1\%$
Ammeters Accuracy	<ul style="list-style-type: none"> • 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) • 500A CT: $\pm 1\%$ (6-500A) , $\pm 2\%$ (2-6A) , $\pm 5\%$ (0-2A) • 750A CT: $\pm 1\%$ (6-750A) , $\pm 2\%$ (2-6A) , $\pm 5\%$ (0-2A)
Clamp Inner Dimension	<ul style="list-style-type: none"> • 80A (default): $\varnothing 10\text{mm}$ • 120A(optional): $\varnothing 16\text{mm}$ • 200A(optional): $\varnothing 20\text{mm}$ • 300A(optional): $\varnothing 24\text{mm}$ • 500A(optional): $\varnothing 36\text{mm}$ • 750A(optional): $\varnothing 51\text{mm}$
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

