SONOFF POW Ring Smart Power Meter | POWCT

Non-contact Current Transformer Tracks Your Energy Usage

works with | alexa

works with Google Home

Works With IFTTT

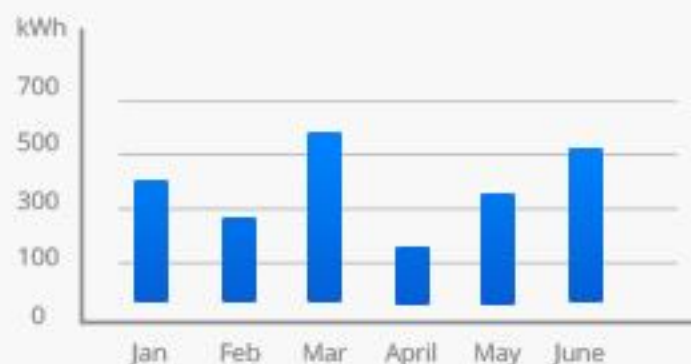## Split Core Current Transformer

100A Max

Energy Monitor

ESP32 Chip

Safety Design

CE FC

Support Contactor Control

6-month Historical Data Hold

kWh
700
500
300
100
0
Jan Feb Mar April May June

Overload Protection

works with Google Home

Works With IFTTT

works with alexa

Set Timers

Push Notifications

eWeLink now

POWCT Today's Consumption > 20kWh

Safe and Easy to Use

Communication Distance 130m

(no obstructions and ideal conditions)

Highest Flame -retardant

The highest flame retardant grade V-0 device enclosure.

0-240V ~ or
0-30V — Max 2A

NO   COM   L   N

Split CT Sensor is Safer and More Flexible

No physical contact with live wires, eliminating the risk of electric shock. Just release or close the latches on the side of the sensor to open and close the CT sensor.

Products You Can 100% Trust

Go through various rigorous tests, including lightning and surge test, short circuit test, drop test, salt spray test, test in extremely harsh environments, etc.Each component is tested to ensure that the product will not shock even in the event of a malfunction, will not burn or catch fire, and that no parts reach high temperatures that could cause a fire in the surrounding area.

Real-Time Energy Monitoring

Install in the electrical circuit panel of your home to monitor the power consumption of household appliances or rooms.
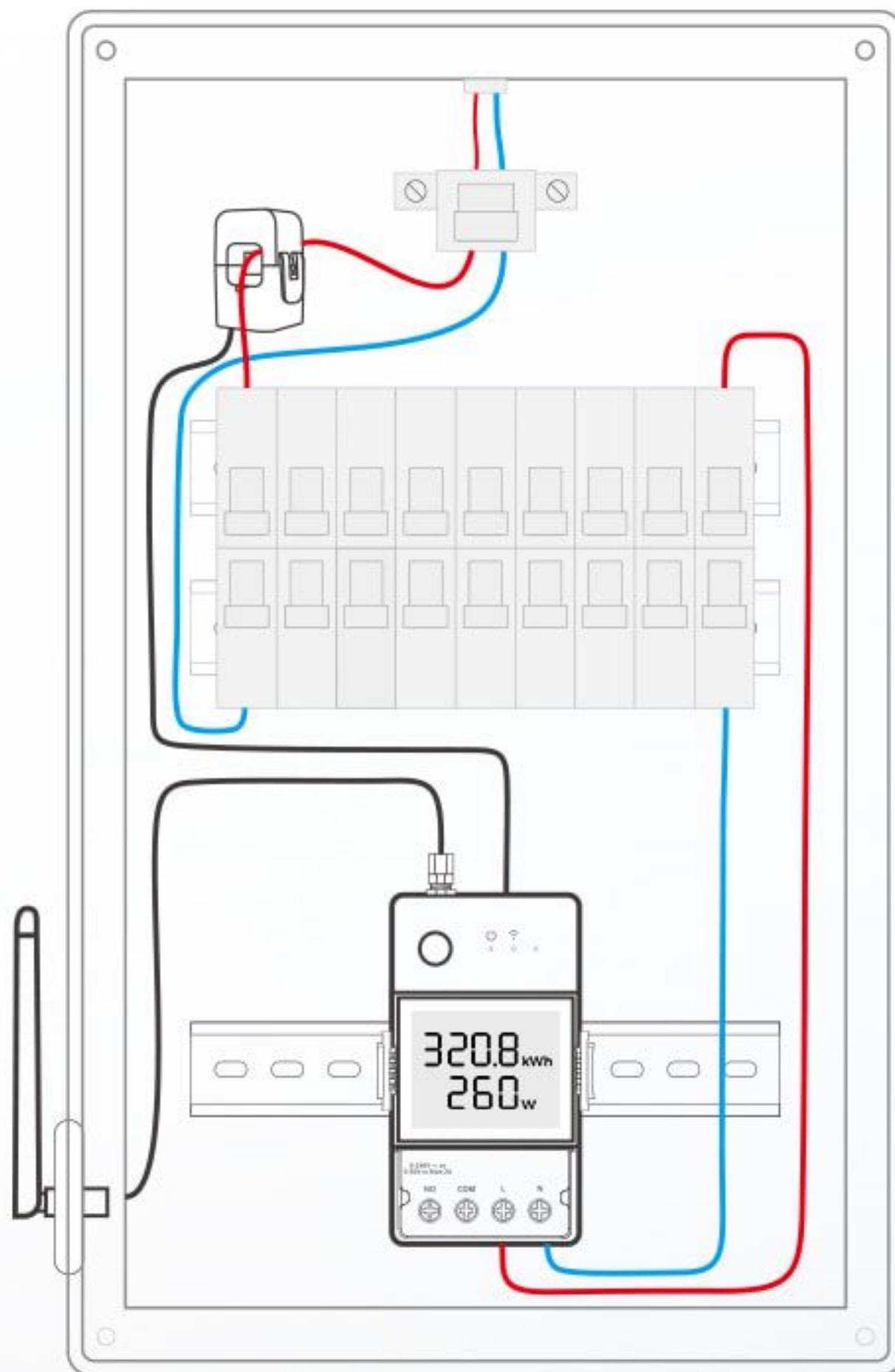
Voltage measurement range:
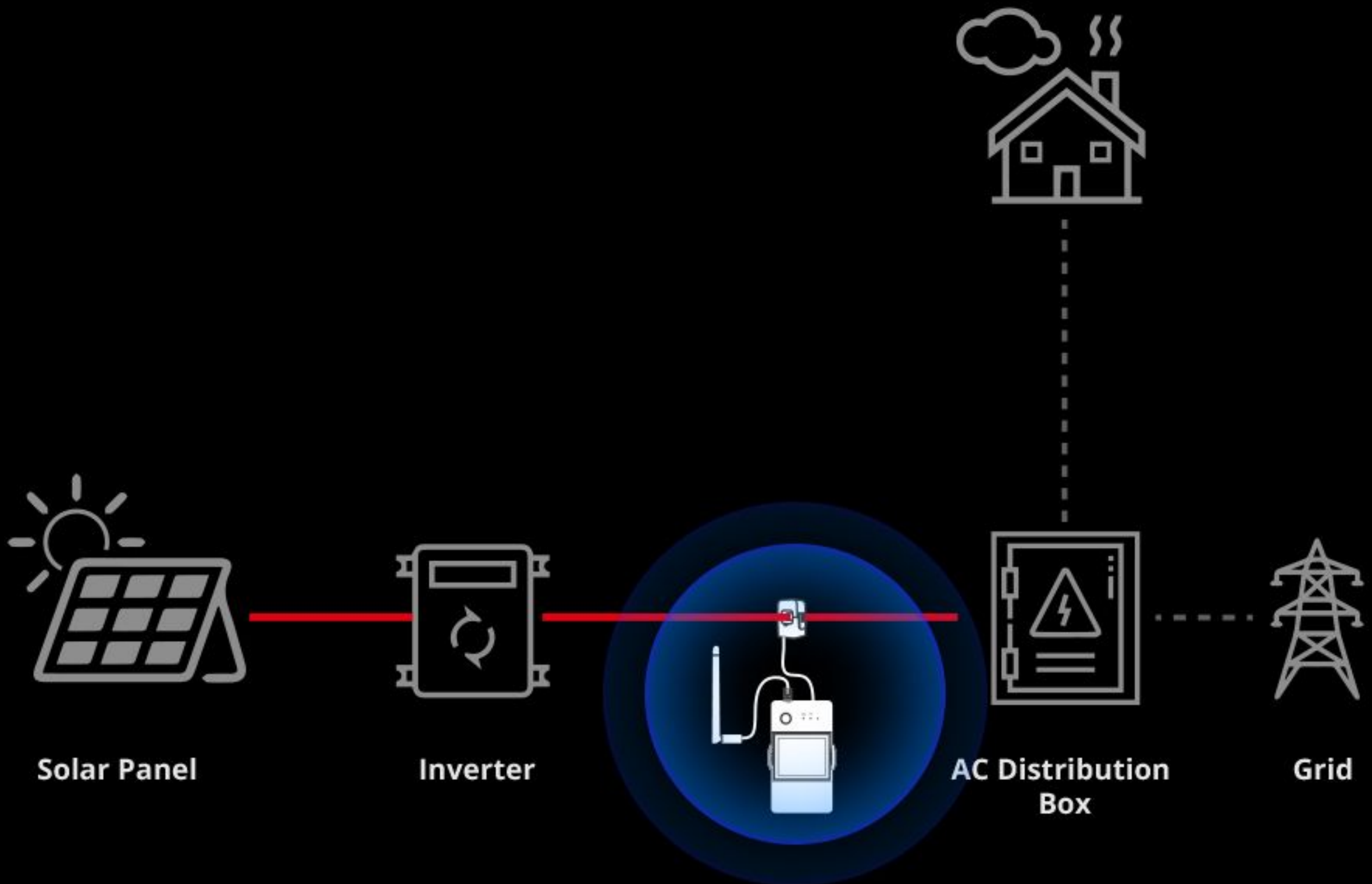
AC 100V~240V

Current measurement range:

AC 0A~100A

Power measurement range:

## 0W~24000W

320.8 kWh
260 w

Solar Panel Monitoring

It supports monitoring the power consumption of solar panel and you can see how much power your solar panels have generated at a glance.

Solar Panel → Inverter → AC Distribution Box → Grid

Smart Scene

When today's solar panel power consumption exceeds 30kWh, it can help you reduce your electricity bill by setting smart scenes to turn off non-essential household appliances.
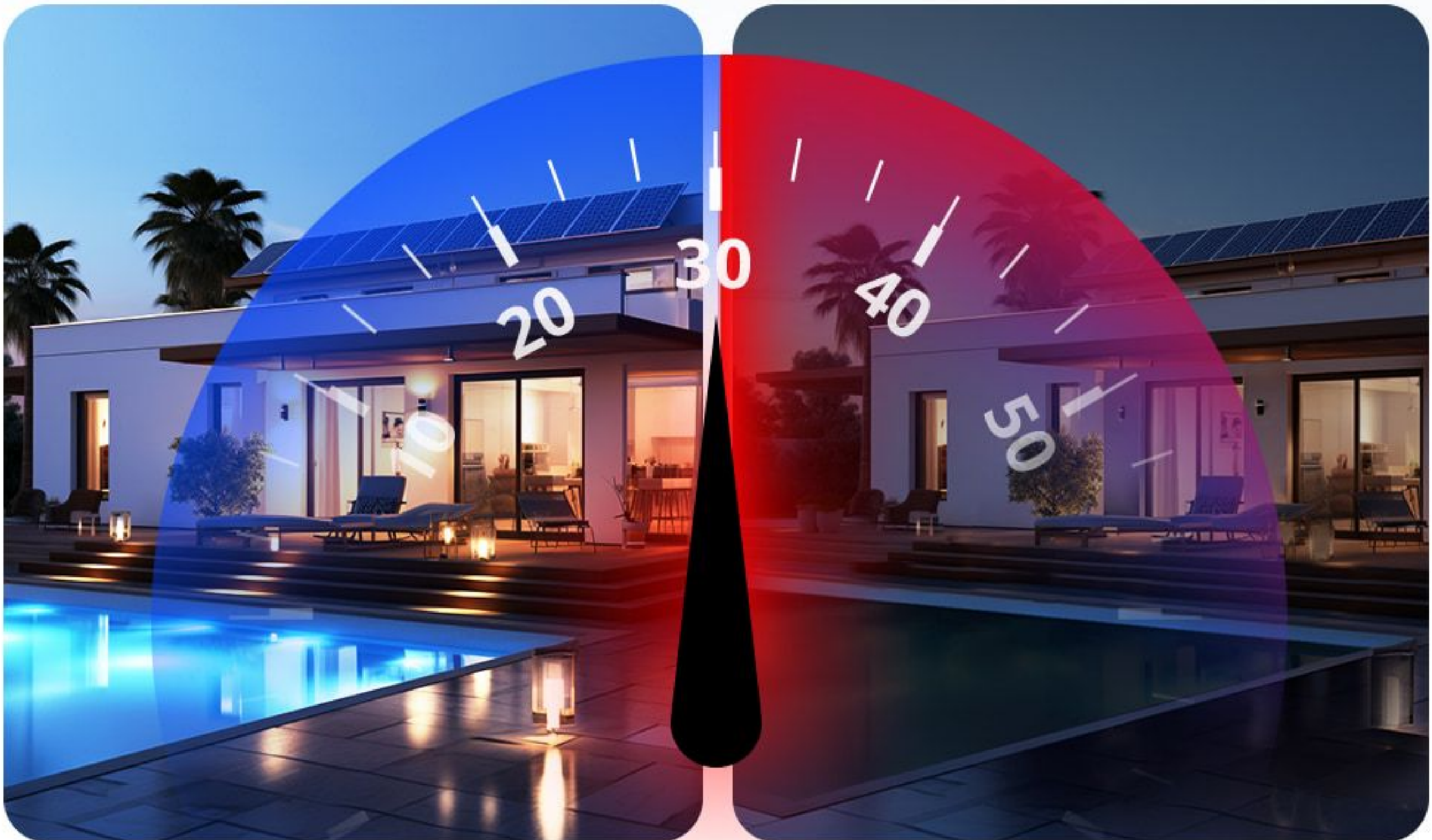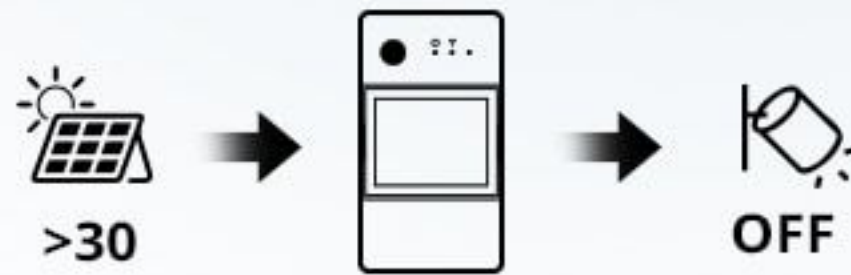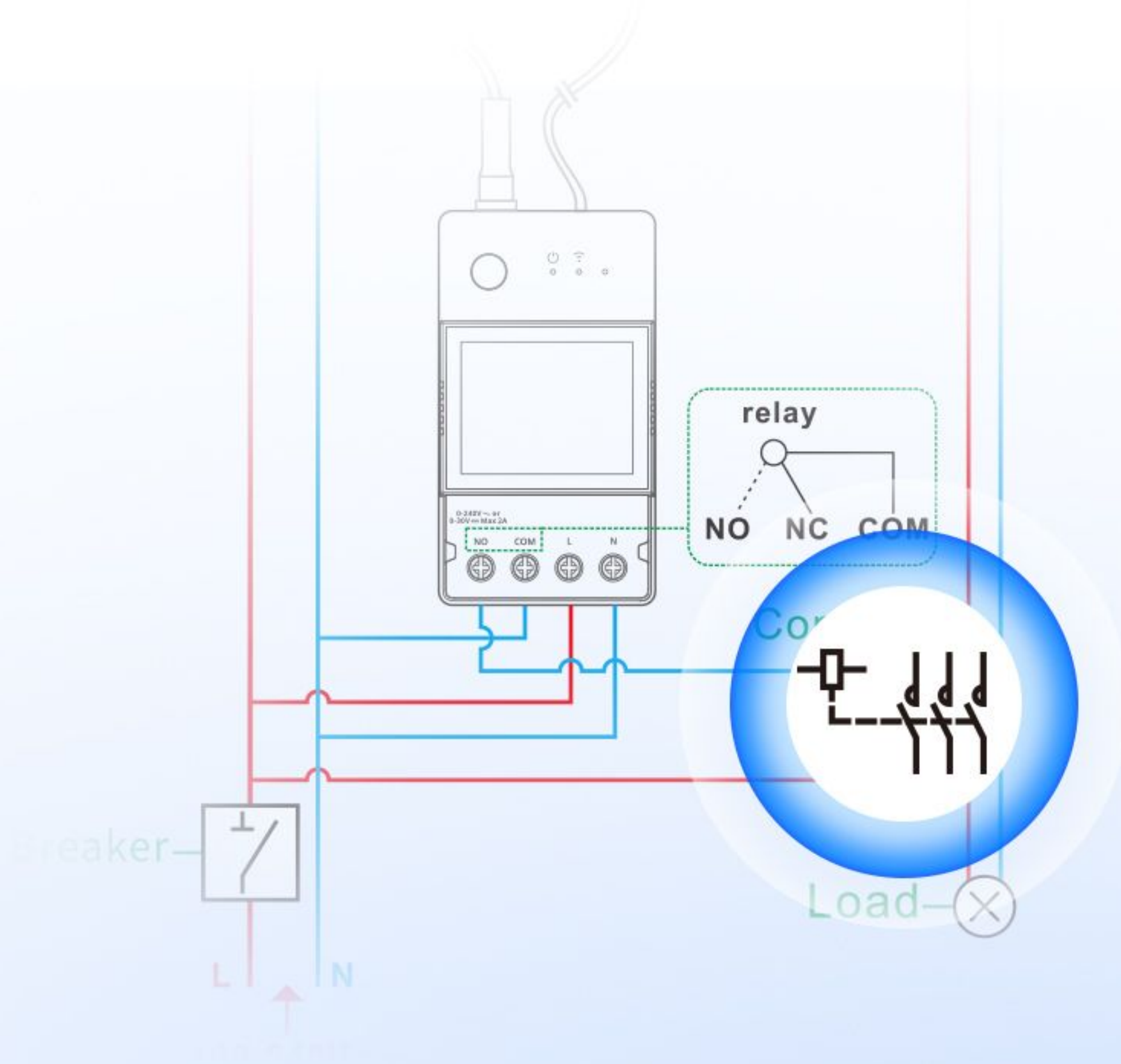
6-month Historical Data Hold

Automatically save your electricity usage data when you remove appliances or have a power outage. The data can be saved for up to 6 months and exported to a file for viewing.

Support Contactor Control

POWCT has a relay with a rated current output of 2A, which is used with a contactor to realize switching control of the load.
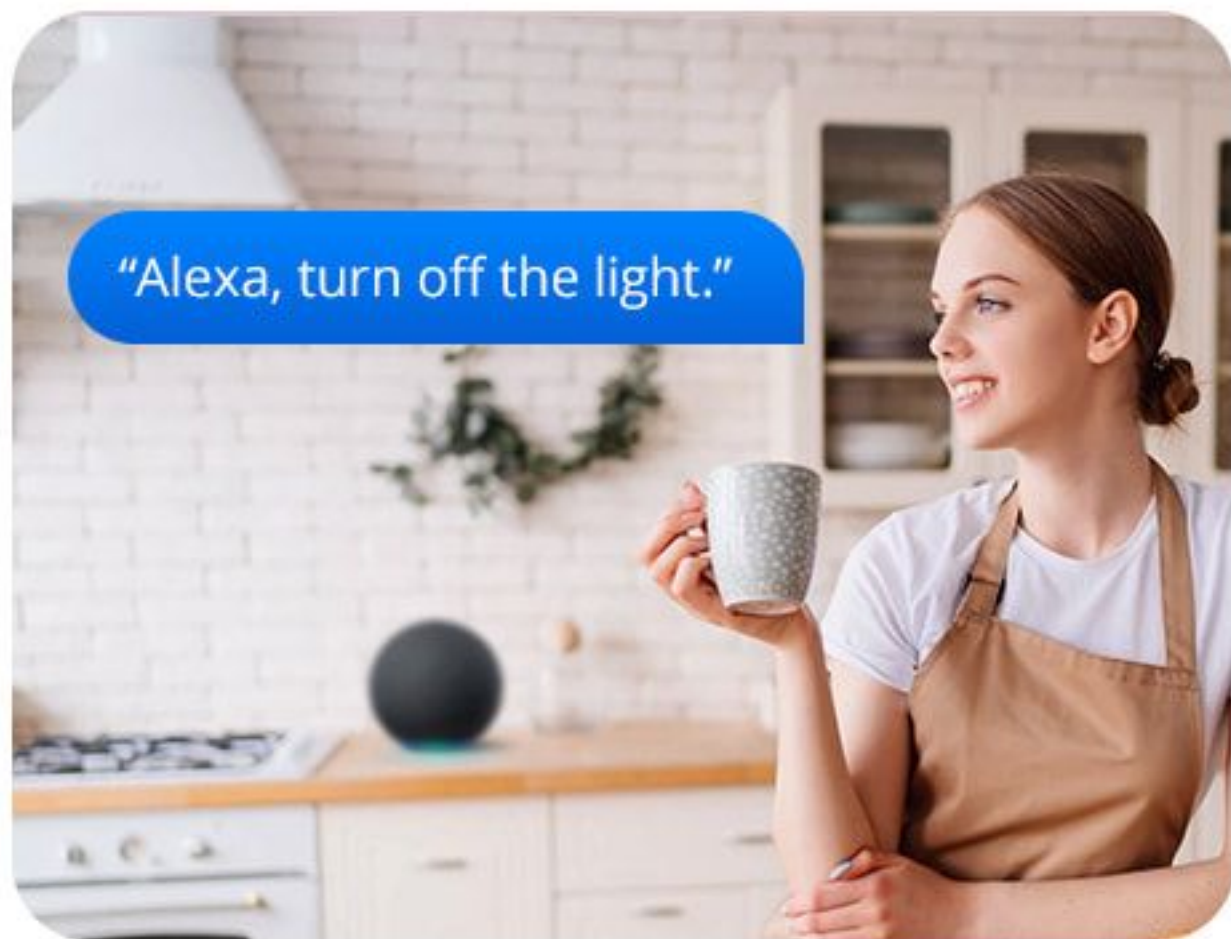
Wi-Fi Operating

No hub is required,
connect to your Wi-Fi network.

18:20 ON

08:30 OFF

Set Timers

Set a timer to turn appliances on or off.

"Alexa, turn off the light."

Voice Control

Manage your devices with simple commands.

Overload Protection

Set three parameters threshold power, voltage, and current by yourself, once any condition is met, the device will be turned off to protect your appliances.

9:41

← **Threshold Settings** Save

Any condition is met, device will be turned off

Power

☑ Max. Power (W) 4000W >

☐ Min. Power (W) 0.1W >

Voltage

x. Voltage (V)
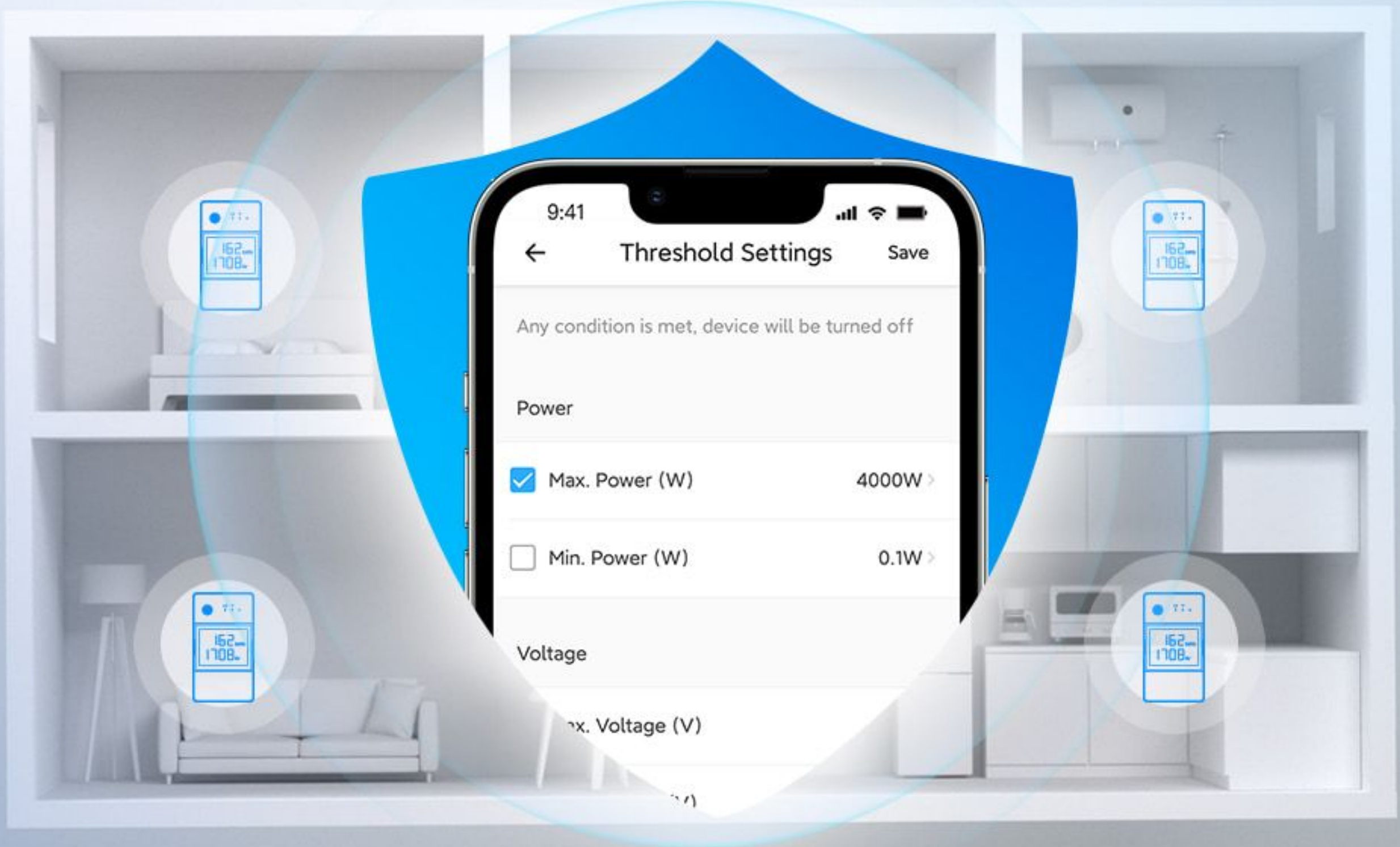
*Execution of this function requires connection of contactor.

Push Notification When Consumption Goal is Reached

Notify you when the power consumption exceeds a threshold value that you set, both today's goal and the current month's goal thresholds can be set.

20
kWh
0
25

9:41
Tuesday, September 14

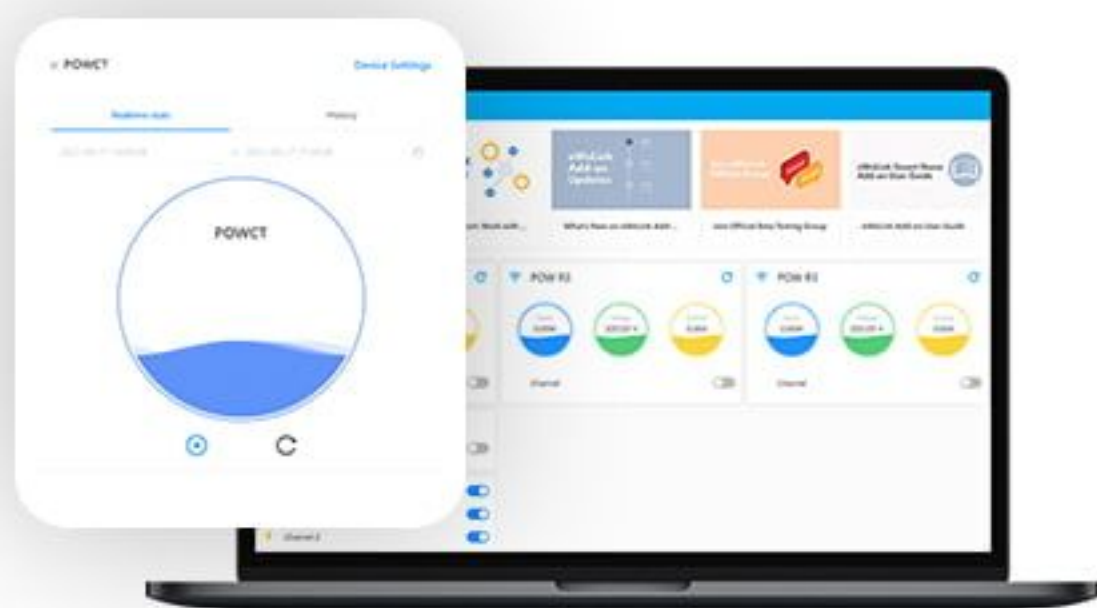eWeLink   now

POWCT   Today's Consumption >20kWh

Add to Home Assistant

Metadata and power consumption are displayed on Hass through eWeLink add-on.
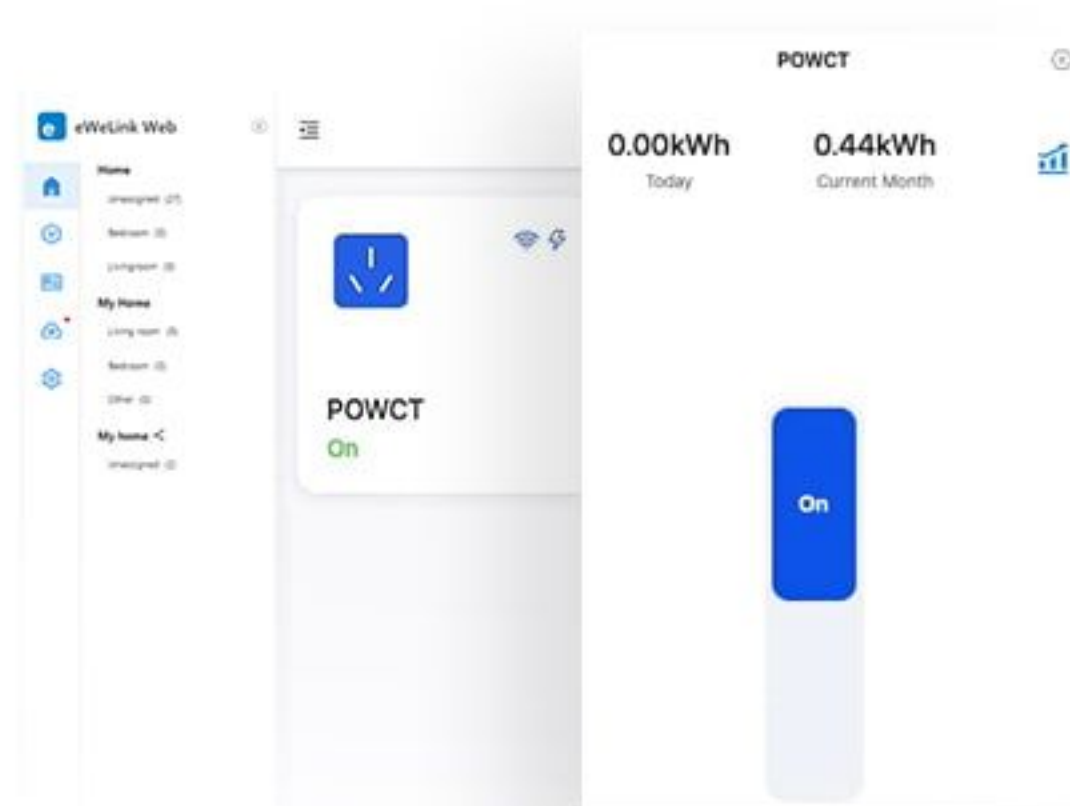

Compatible with IFTTT

Build more actions you expect with IFTTT-supported apps and services.
*This feature is part of eWeLink Advanced plan.

Support Adding to iHost by "eWeLink Smart Home Add-on"

Support eWeLink Web Control

The larger control surface makes the device control more possible.

Wiring Instructions

1

Paired with a current transformer to monitor the power consumption of household appliances.
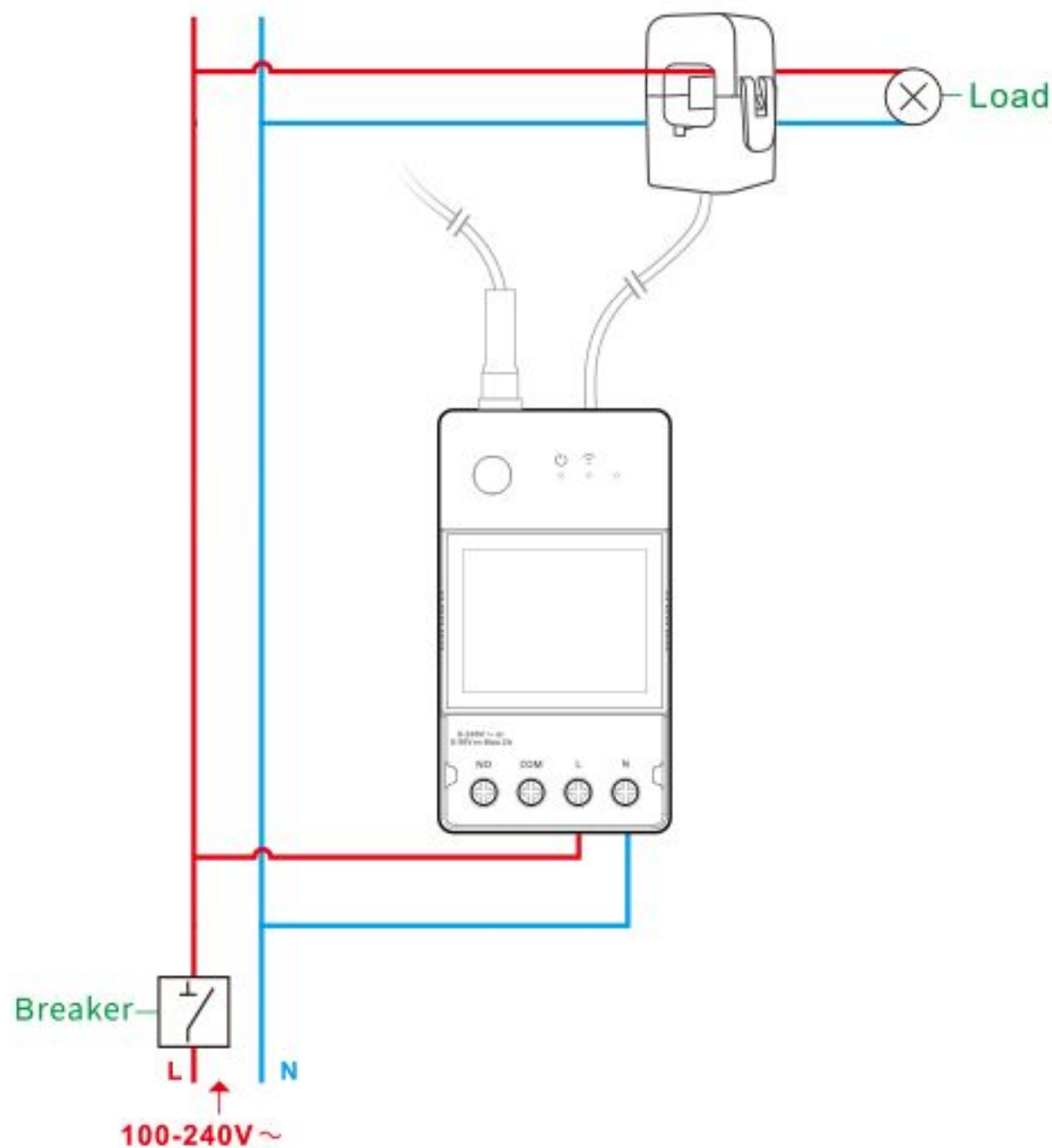
2

Paired with a current transformer and a contactor to monitor the power consumption of household appliances and can also control the power switch.

Load

relay

NO   NC   COM

Contactor

NO   COM   L   N

Breaker

L   N

100-240V~

Breaker

L   N

100-240V~

Load
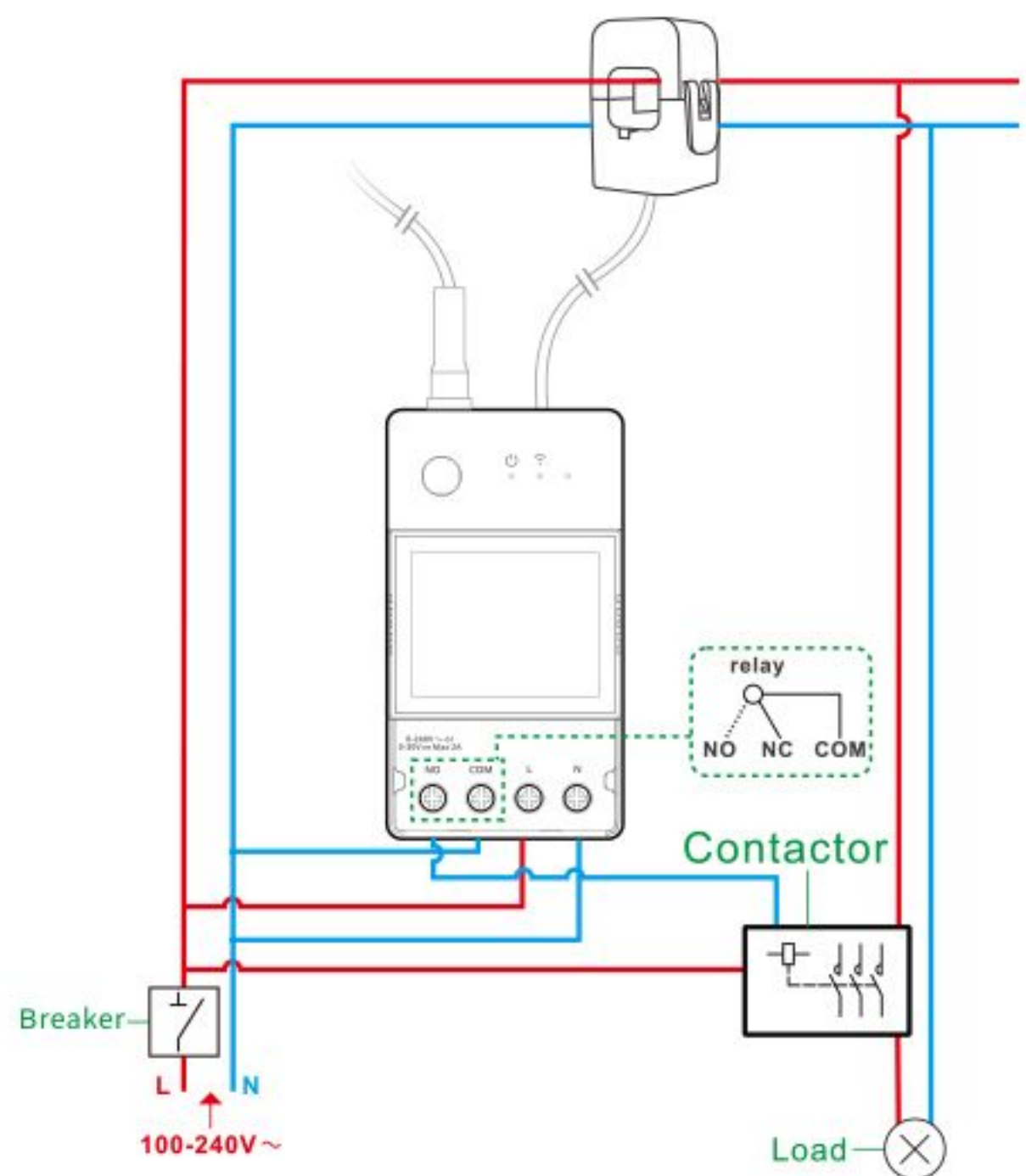
*The CT clamp must be clamped on the same line as the POWCT's power input to measure power and electricity correctly.

POWCT VS POW Elite VS POW Origin VS POWR3

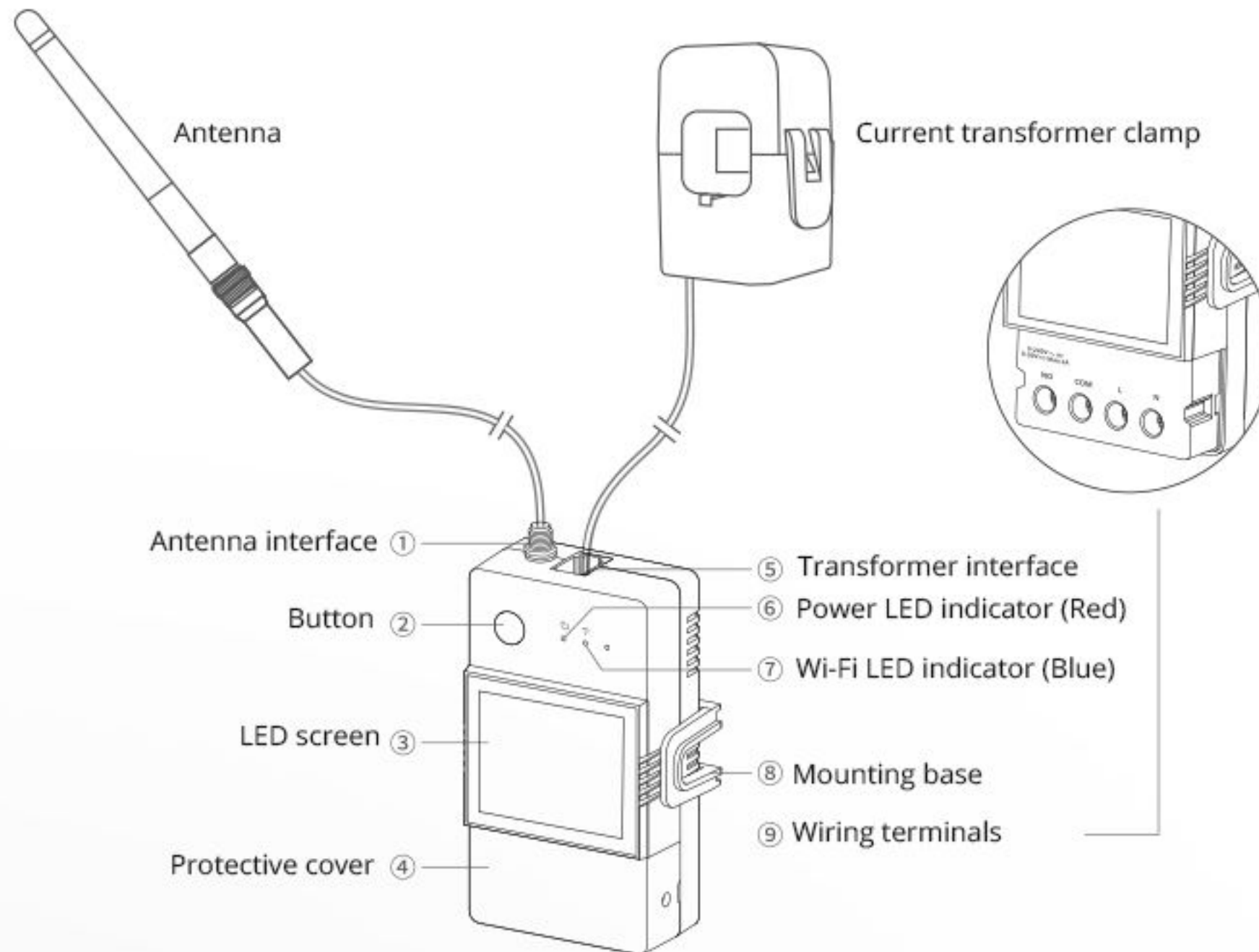|	POWCT NEW	POWR3	POW Elite	POW Origin
Equipped with Split Core Current Transformer	✓	✗	✗	✗
Dry Contact	✓	✗	✗	✗
App & Voice Control	✓	✓	✓	✓
Set Timers	✓	✓	✓	✓
Smart Scene	✓	✓	✓	✓
Power On State	✓	✓	✓	✓
Power Metering	✓	✓	✓	✓
Max. Current	100A Max	25A Max	20A Max	16A Max
Input/Output	100-240V~50/60Hz	100-240V~ 50/60Hz	100-240V~50/60Hz	100-240V~50/60Hz
Push Notifications	✓	✓	✓	✓
Historical Data Hold	6 months	100 days	6 months	6 months
LAN Control	✓	✓	✓	✓
Inching Setting	✓	✓	✓	✓
Overload Protection	✓	✓	✓	✓
iHost	Supported	Supported	Supported	Supported
NSPanel Pro	Supported	Supported	Supported	Supported
Application scenarios	Install in the electrical circuit panel of your home to monitor the power consumption of household appliances or rooms; It also supports monitoring the power consumption of solar panel	Make your appliances smart, and act as a smart meter for a appliance or single rooms.	Make your appliances smart, and act as a smart meter for a single appliance.	Make your appliances smart, and act as a smart meter for a single appliance.
Dimension	98*54*31mm	162*122*45.5mm	98*54*31mm	98*54*31mm
Price	$34.90	$34.99	$16.99-19.99	$13.99

What's in the Box

1. Smart power meter x 1

2. Current transformer clamp
   (Cable length: 100cm) x 1

3. Antenna (Cable length: 30cm) x 1

4. Silicone Seal Ring x 1

5. Screws x 2

6. Mounting base x 1

Specifications

Antenna

Current transformer clamp

Antenna interface ①

Button ②

LED screen ③

Protective cover ④

⑤ Transformer interface

⑥ Power LED indicator (Red)

⑦ Wi-Fi LED indicator (Blue)

⑧ Mounting base

⑨ Wiring terminals

Model:
POWCT

Rating :
100-240V~ 50/60Hz 2W

Wireless Connectivity :
Wi-Fi IEEE 802.11 b/g/n 2.4GHz

Antenna interface type:
SMA

Transformer interface type :
RJ9

Transformer current detection range :
0-100A

Measurement Category :
CAT II 0-100A 300V~ MAX

Net weight :
120g (Accessories not included)

Product dimension :
98x54x31mm

Color :
 White

Casing material :
PC

Applicable place :
Indoor

Working temperature :
 -40℃~50℃

Working humidity :
5%~95% RH, non-condensing