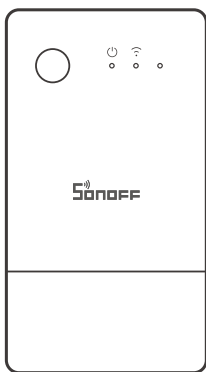**e support**
Works with everything

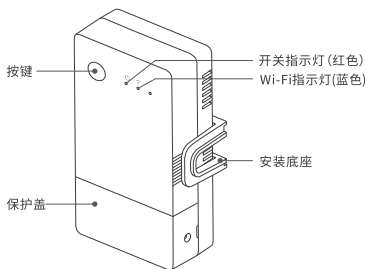# POW Origin/Elite

User manual V1.1

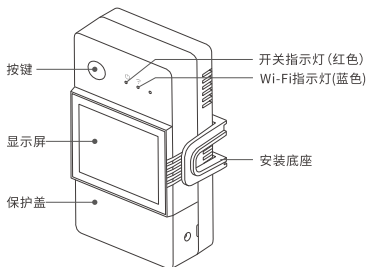POW Origin
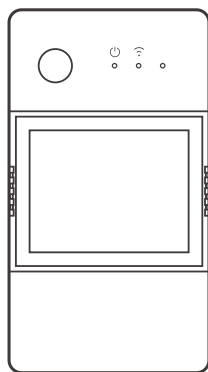
POW Elite

Smart Power Meter Switch

产品介绍

POW Origin

按键 —
开关指示灯(红色)
Wi-Fi指示灯(蓝色)
安装底座
保护盖

POW Elite

按键
开关指示灯(红色)
Wi-Fi指示灯(蓝色)
显示屏
安装底座
保护盖

ⓘ 设备重量＜1Kg,建议安装高度＜2米。

Wi-Fi信号指示灯状态说明

指示灯状态	状态说明
蓝灯两短一长闪烁	配网模式
蓝灯常亮	设备在线
蓝灯快闪一下	未连接路由
蓝灯快闪二下	已连接上路由器,但未连接到云端
蓝灯快闪三下	固件升级中

功能特点

POW Origin/Elite是一款带电量监测的智能开关改装件，实时监测家用电器电流、电压、功率、累积功耗，可以直接在易微联App界面上执行手动控制。。

远程控制   电量监测   过载保护   分享控制   点动模式
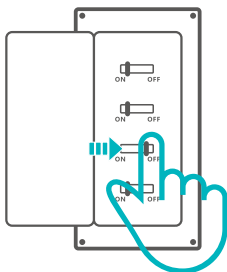

语音控制   智能定时/延时   局域网功能   智能场景   屏幕显示
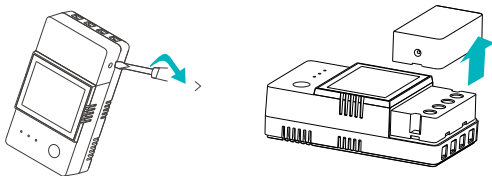(POW Elite)

设备安装

1. 断电

⚠ 设备安装、故障维修请由专业资质电工操作。切勿在设备通电时进行接线操作或触碰到接线端子，以免发生触电危险！

2. 接线

2-1 取下保护盖

2-2

N

100-240V AC →

L In
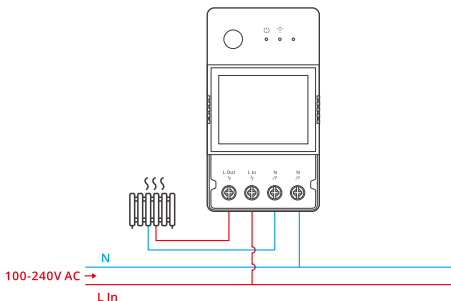
ⓘ 确保线路接入无误。

2-3 35mm 导轨安装
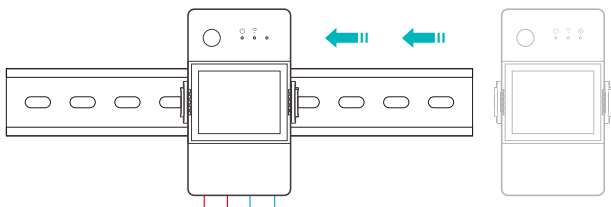
先把导轨固定在设备需要安装的位置，再把设备底座卡扣对准导轨侧边滑动即可。

下载"易微联"App

Android™ & iOS

配网方式

1. 易微联 App 配网

1-1.上电
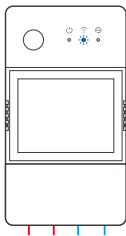
通电后，设备首次使用，默认进入配网模式。Wi-Fi指示灯呈"两短一长闪烁"。

ⓘ 3分钟内没有进行配网，设备将退出蓝牙配网模式。如需再次进入，长按设备按键5秒直到
　 Wi-Fi指示灯呈两短一长闪烁即可。

1-2. 添加设备

方法1:蓝牙配对

点击"+"，选择"蓝牙配对"，再根据 App 提示进行操作。

方法2: 扫码添加

在配网模式下，选择"扫码添加"，扫描设备背面的二维码进行配对。

2. 亚马逊"无感配网"（FFS）

适用情况: 在Amazon.com购买此设备的账号与智能音箱（with Certified for Humans badge）登录的Alexa账号一致。

2-1

设备上电，默认进入FFS配网模式（Wi-Fi指示灯呈两短一长闪烁）

2-2

上电后约1-2分钟听到"New plug found"，刷新Alexa App的设备列表，设备添加成功。

ⓘ

https://sonoff.tech/product-review/tutorial/works-with-alexa-instruction-guide/

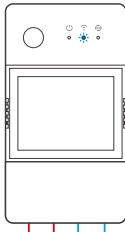1. 3分钟内没有成功对对,设备将退出FFS配网模式。如需再次进入,长按设备按钮5秒直到Wi-Fi
   指示灯呈两短一长闪烁即可。
2. 若长时间无法用FFS配网成功对对,请用配网方式(1)易微联 App 配网。
3. FFS配网方式仅可添加设备至Alexa App。
4. 若需eWeLink App与Alexa App同步此设备,通过account Linking方法建立eWeLink与
   Alexa账号的绑定关系即可,扫码或输入网址查看步骤。

产品参数

型号	POWR316, POWR320,POWR316D, POWR320D
输入	POWR316, POWR316D : 100-240V ~ 50/60Hz 16A Max POWR320, POWR320D : 100-240V ~ 50/60Hz 20A Max
输出	POWR316, POWR316D : 100-240V ~ 50/60Hz 16A Max POWR320D : 100-240V ~ 50/60Hz 20A Max
Wi-Fi	IEEE 802.11 b/g/n 2.4GHz
屏幕显示大小	POWR316D, POWR320D : 43x33mm
App支持系统	Android & iOS
工作温度	-10℃~40℃
工作湿度	5%-95%RH,无冷凝
外壳材料	PC V0
产品规格	POWR316, POWR320 : 98x54x27.5mm POWR316D, POWR320D : 98x54x31mm
接线线径范围	POWR316, POWR316D : 1.0mm² to 4.0mm² POWR320, POWR320D : 1.5mm² to 6.0mm²

局域网控制

手机与设备连接同一个WiFi,不通过云平台,直接对设备进行控制的通讯方式。

ⓘ 无外网连接时,不支持新增定时、延时、循环定时、操作通知、操作记录、固件升级、智能场景、
分享设备、删除设备。

更换设备网络

在 eWeLink App 设备设置界面选择"WiFi设置"进行更换。

恢复出厂设置

在 eWeLink App 端"删除设备"，设备即恢复出厂设置。

常见问题

Wi-Fi设备与 eWeLink APP 配对失败。
1. 确保设备处于配对模式。三分钟内没进行配网，设备将自动退出配对模式。
2. 请开启定位服务并允许定位权限。在选择 Wi-Fi 网络之前，请开启定位服务并允许定位权限。位置信息权限用于获取 Wi-Fi 列表信息。如果单击禁用，您将无法添加设备。
3. 确保您的 Wi-Fi 网络为 2.4GHz 频段。
4. 确保您输入了正确的 Wi-Fi SSID 和密码，没有包含特殊字符。密码错误是配对失败的一个非常常见的原因。
5. 配对时设备应靠近路由器，以保证良好的传输信号条件。

Wi-Fi 设备"离线"问题，请通过 Wi-Fi LED 指示灯状态检查以下问题：
LED 指示灯每 2 秒闪烁一次，表示您无法连接到路由器。
1. 可能您输入了错误的 Wi-Fi SSID 和密码。
2. 确保您的 Wi-Fi SSID 和密码不包含特殊字符，例如希伯来语、阿拉伯语字符，我们的系统无法识别这些字符，因此无法连接到 Wi-Fi。
3. 可能你的路由器承载能力较低。
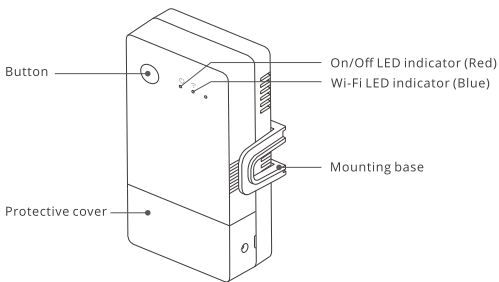4. 可能是 Wi-Fi 强度较弱。您的路由器距离您的设备太远，或者路由器和设备之间可能存在阻碍信号传输的障碍物。

LED 指示灯重复闪烁两次表示您无法连接到服务器。
1. 确保互联网连接正常。您可以使用您的手机或PC连接互联网，如果无法访问，请检查互联网连接的可用性。
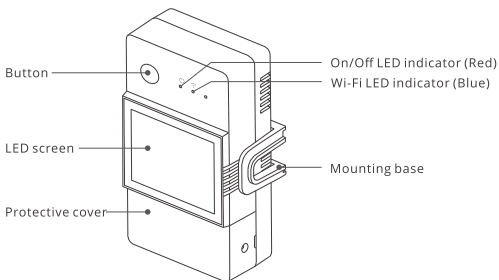2. 可能你的路由器承载能力低。连接到路由器的设备数量超过其最大值。请确认您的路由器可以携带的最大设备数量。如果超过，请删除一些设备或换个更大的路由器再试。
如果以上方法均无法解决此问题，请通过 eWeLink APP 上的帮助&反馈提交您的请求。

Product Introduction

POW Origin

Button — On/Off LED indicator (Red)

Wi-Fi LED indicator (Blue)

Mounting base

Protective cover

POW Elite

Button — On/Off LED indicator (Red)

Wi-Fi LED indicator (Blue)

LED screen

Mounting base

Protective cover

ⓘ The device weight is less than 1kg.
    The installation height of less than 2m is recommended.

Wi-Fi LED indicator status instruction

LED indicator status	Status instruction
Blue LED indicator flashes(one long and two short)	Pairing mode
Blue LED indicator keeps on	Device is oline
Blue LED indicator quick flashes once	Fail to connect to router
Blue LED indicator quick flashes twice	Connected to router but fail to connect to server
Blue LED indicator quick flashes three times	Firmware updating

Features

POW Origin/Elite is a DIY smart switch with power monitoring, which can monitor the current, voltage, power and cumulative power consumption of household appliances in real time. Manual control can be performed directly on the App interface.

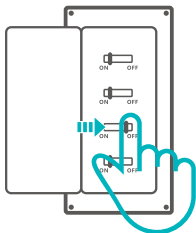|				
Remote Control	Power Metering	Over-load Protection	Share Control	Inching Mode
Voice Control	Timer Schedule	LAN Control	Smart Scene	Screen Display (POW Elite)

Device Installation

1. Power off

⚠ Please install and maintain the device by a professional electrician. To avoid electric shock hazard, do not operate any connection or contact the terminal connector while the device is powered on!

2. Wiring instruction

2-1 Remove protective cover
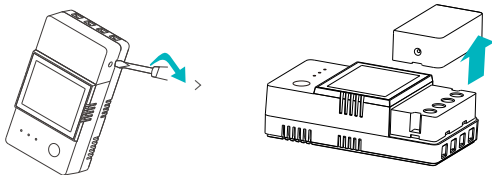
2-2
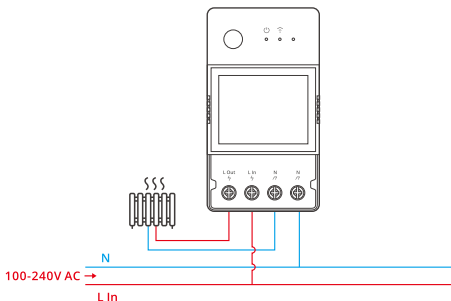
ⓘ Make sure all wires are connected correctly.

2-3 35mm rail installation

First fix the guide rail at the position where the equipment needs to be installed, and then slide the device base buckle against the side of the guide rail.

Download the eWeLink App

Android™ & iOS

Paring method

1. eWeLink App Pairing

1-1. Power on

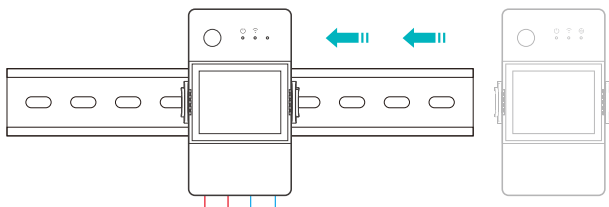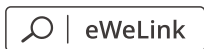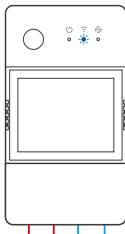After powering on, the device will enter the Bluetooth Pairing Mode during the first use. The Wi-Fi LED indicator changes in a cycle of two short and one long flash and release.

⊙ The device will exit the Bluetooth Pairing Mode if not paired within 3mins. If you want to enter this mode, please long press button for about 5s until the Wi-Fi LED indicator changes in a cycle of two short and one long flash and release.

1-2. Add device

Method 1: Bluetooth Pairing
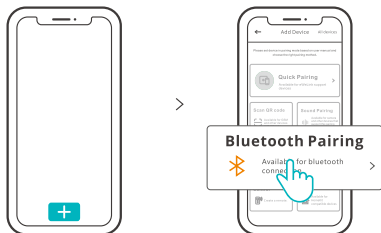
Tap "+" and select "Bluetooth Pairing", then operate following the prompt on the App.

Method 2: Scan QR code
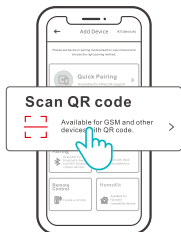
In the Pairing mode, tap "Scan QR code" to add the device by scanning the QR code on its back.

2. Amazon Frustration-Free Setup（FFS）

Applicable situation: The account you use to purchase this device on Amazon.com is the same as the account you sign in the smart speaker (with Certified for Humans badge).

2-1
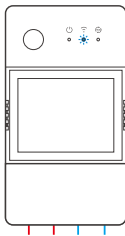
Power on the device, it will enter the FFS pairing mode by default (Wi-Fi LED indicator flashes twice short and one long).

2-2

When you hear "New plug found" about 1-2 mins after powering on, refresh the device list in the Alexa App and you will see the device is added successfully.

!

https://sonoff.tech/product-review/tutorial/works-with-alexa-instruction-guide/

1. The device will exit FFS pairing mode if it had not been paired within 3-5mins. If it needs to enter the paring mode again, please long press the device button for about 5s until the Wi-Fi LED indicator flashes twice short and one long, then release.
2. If the device is failed to been paired through FFS pairing mode for a long time, please pair the device by method (1) eWeLink App pairing.
3. The method of FFS pairing can only use to add devices to Alexa App.
4. If you want to synchronize this device between eWeLink App and Alexa App, please connect the accounts of eWeLink and Alexa through Account Linking, scan the QR code or enter the URL to check the guideline of Account Linking.

Specifications

Model	POWR316, POWR320,POWR316D, POWR320D
Input	POWR316, POWR316D : 100-240V ~ 50/60Hz 16A Max POWR320, POWR320D : 100-240V ~ 50/60Hz 20A Max
Output	POWR316, POWR316D : 100-240V ~ 50/60Hz 16A Max POWR320, POWR320D : 100-240V ~ 50/60Hz 20A Max
Wi-Fi	IEEE 802.11 b/g/n 2.4GHz
LED screen size	POWR316D, POWR320D : 43x33mm
App supported systems	Android & iOS
Operating temps	10T40 (-10℃~40℃)
Working humidity	5%-95% RH, non-condensing
Shell material	PC V0
Dimension	POWR316, POWR320 : 98x54x27.5mm POWR316D, POWR320D : 98x54x31mm
High voltage connector wire	POWR316, POWR316D: 1.0mm² to 4.0mm² POWR320, POWR320D: 1.5mm² to 6.0mm²
Rated impulse voltage	2500V
Remark	External preliminary protection with Max. C 20 A circuit breaker in the supply line required under all circumstances.

LAN control

A communication method to control the devices directly without going through the Cloud, which requires your smartphone and device connect to the same WIFI.

ⓘ Operation notifications, operation records, firmware upgrades, smart scenes, devices sharing and devices delete are not supported when there is no external network connection.

Switch Network

Select the "Wi-Fi Settings" in the "Device Settings" interface on the eWeLink App to change.

Factory Reset

Deleting the device on the eWeLink app indicates you restore it to factory setting.

Common Problems

Fail to pair Wi-Fi devices to eWeLink APP

1. Make sure the device is in pairing mode. After three minutes of unsuccessful pairing, the device will automatically exit pairing mode.
2. Please turn on location services and allow location permission. Before choosing the Wi-Fi network, location services should be turned on and location permission should be allowed. Location information permission is used to obtain Wi-Fi list information. If you click Disable, you will not be able to add devices.
3. Make sure your Wi-Fi network runs on the 2.4GHz band.
4. Make sure you entered a correct Wi-Fi SSID and password, no special characters contained.Wrong password is a very common reason for pairing failure.
5. The device shall get close to the router for a good transmission signal condition while pairing.

Wi-Fi devices "Offline" issue, Please check the following problems by the Wi-Fi LED indicator status:

The LED indicator blinks once every 2s means you fail to connect to the router.
1. Maybe you entered the wrong Wi-Fi SSID and password.
2. Make sure that your Wi-Fi SSID and password don't contain special characters, for example, the Hebrew, Arabic characters, our system can't recognize these characters and then fail to connect to the Wi-Fi.
3. Maybe your router has a lower carrying capacity.
4. Maybe the Wi-Fi strength is weak. Your router is too far away from your device, or there may be some obstacle between the router and device which blocks the signal transmission.

The LED indicator flashes twice on repeated means you fail to connect to the server.

1. Make sure the Internet connection is working. You can use your phone or PC to connect to the Internet, and if it fails to access, please check the availability of the Internet connection.
2. Maybe your router has a low carrying capacity. The number of devices connected to the router exceeds its maximum value. Please confirm the maximum number of devices that your router can carry. If it exceeds, please delete some devices or get a lager router and try again.

If none of the above methods solved this problem, please submit your request via help&feedback on the eWeLink App.

FCC Warning

Changes or modifications not expressly approved by the party responsible for compliance could avoid the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the
   receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

Hereby, Shenzhen Sonoff Technologies Co., Ltd. declares that the radio equipment type POWR316, POWR320, POWR316D, POWR320D are in compliance with Directive 2014/53/EU.The full text of the EU declaration of conformity is available at the following internet address:

https://sonoff.tech/usermanuals

Operation frequency Range:
2402-2480MHz(BLE)
2412-2472MHz(Wi-Fi)

RF Output Power:
4.95dBm(BLE)
15.15dBm(802.11b), 14.52dBm(802.11g), 15.82dBm(802.11n20),
16.03dBm(802.11n 40)(Wi-Fi)

SONOFF

Shenzhen Sonoff Technologies Co., Ltd.

3F & 6F, Bldg A, No. 663, Bulong Rd, Shenzhen, Guangdong, China
ZIP code: 518000   Website: sonoff.tech

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