ZENDURE

SuperCharged

Smart plug

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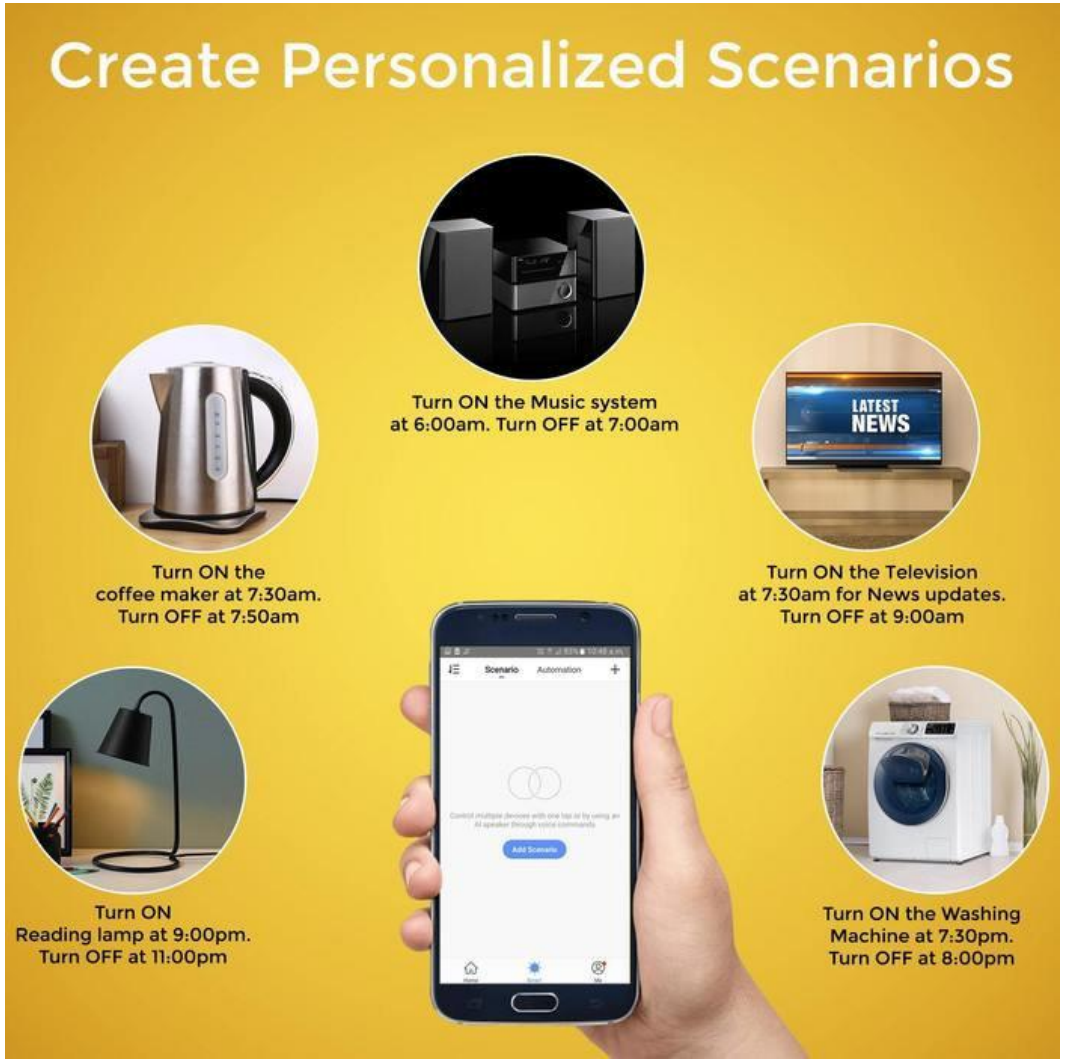
Users and scenarios-Users

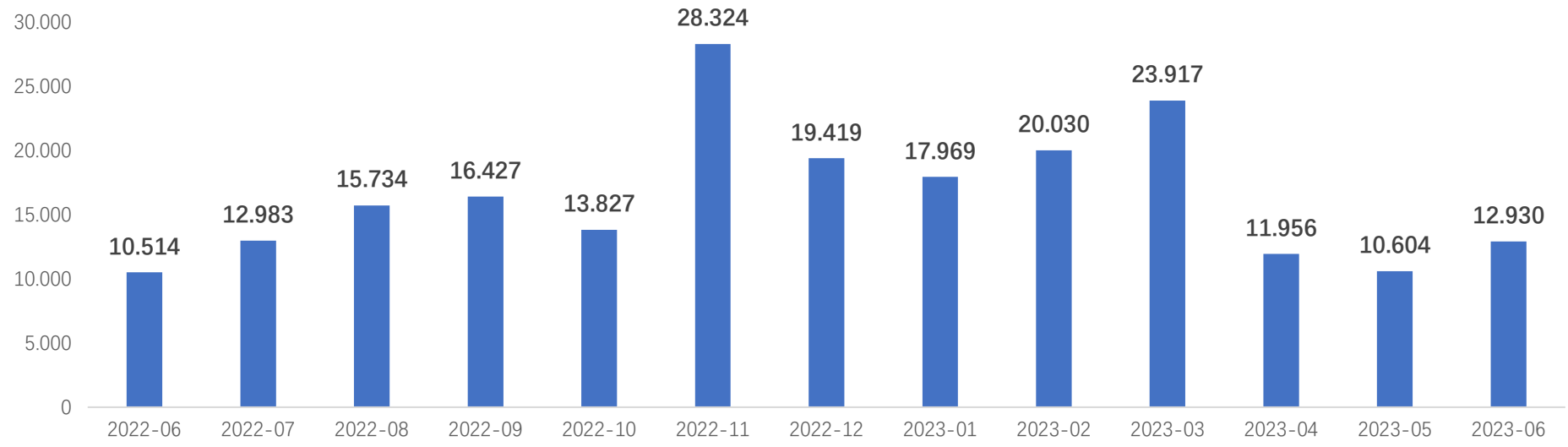
Users	Pain Pionts	Sales Strategy
Customers who have purchased solar flow	• Not sure about home load power • Need to manually adjust output power	• **Intelligent linkage to regulate solar flow output** • **100% of photovoltaic energy is used in the home**
Customers who don't know smart plug at all	• Unclear about household electricity consumption • Some appliances do not have a timer function • Some appliances do not have smart switch function	• **Electricity saving (smart monitoring, timed switching)** • **Daily/weekly/monthly power consumption analysis for optimal power consumption plan** • **Remote APP control** • **Safe electricity consumption (over-current/over-voltage/overload protection, self-contained child lock)**

Users and scenarios-Scenarios

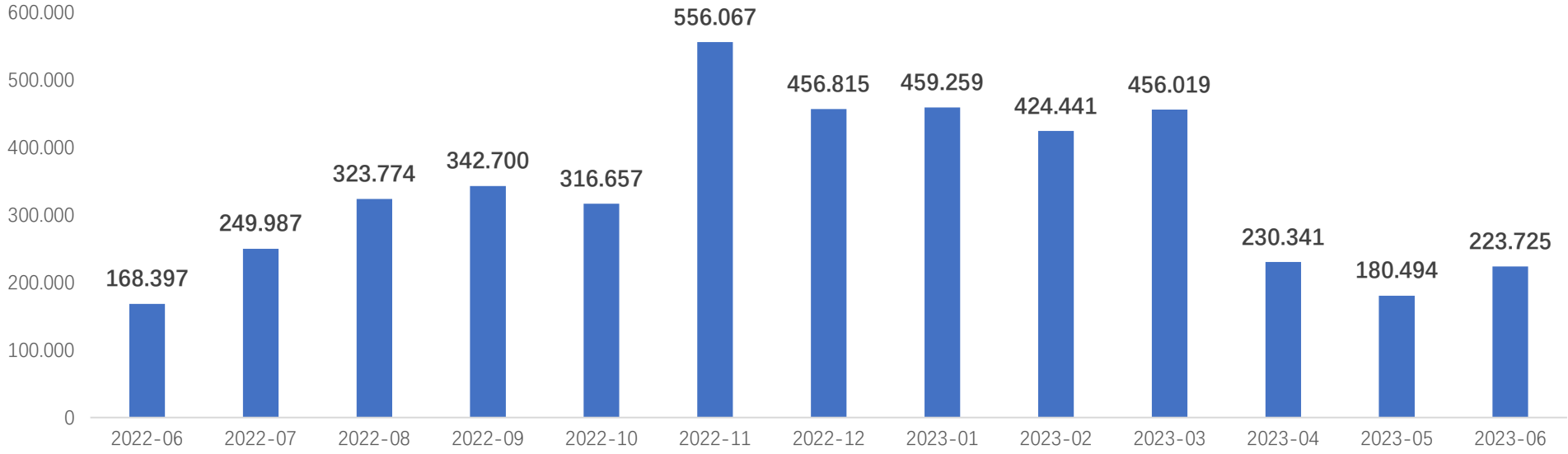


Market Analysis-German Amazon Top5 smart plug sales analysis

Quantity



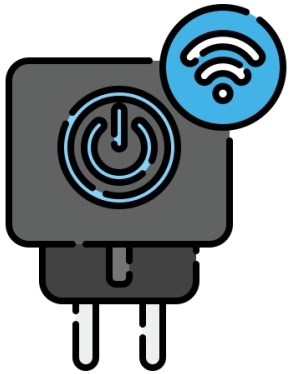
Amount



Product Features - Main Features

Remote control

Smart Appliance Control

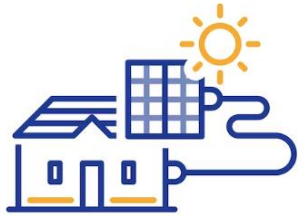


Smart plug

Power consumption analysis

Safe electricity use

Realtime monitoring



Solar Flow intelligent regulation

Product Features - Competitor Comparison

Brand	Zendure	Philips	GreenSun	Nous	TP-link
Image					
Mode	ZDSATP16	Hue	wifi smartplug	A1T	Tapo P100
Price（€）	29.99	28.95	18.9	21.37	9.9
Alexa	✓	✓	✓	✓	✓
Tasmota				✓	
PV Linkage	✓				
Remote Control	✓	✓	✓	✓	✓
Wifi/bluetooth	✓	✓	✓	✓	✓
Vote Control	✓	✓	✓	✓	✓
Timer switch / countdown timer	✓	✓	✓	✓	✓
Energy Analysis	✓		✓	✓	
Overload protection	✓				
Overcurrent protection	✓				
Overvoltage protection	✓				
Child lock	✓				
Flame retardant material			✓	✓	✓

Product Features - Core Differences: PV Linkage

The biggest difference between Zendure's smart plug and similar products is that:

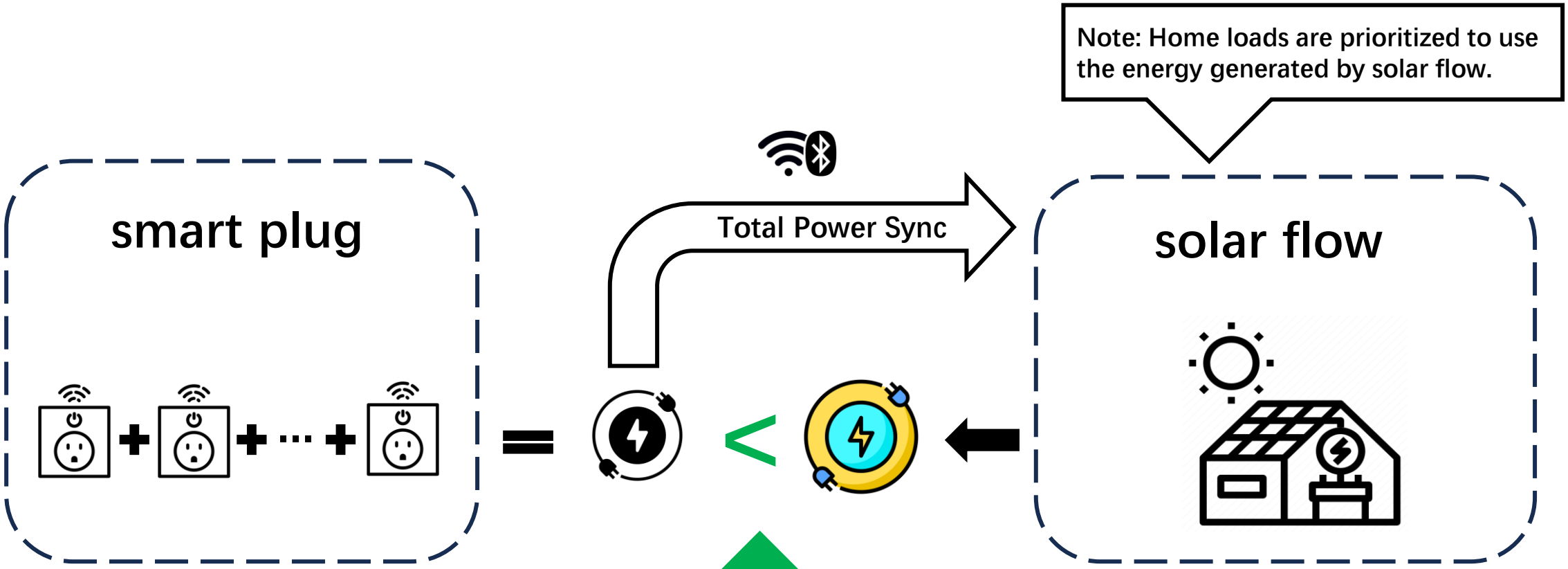
Smart plug can be used as part of Solar flow's balcony power system and can work with Solar flow through the Zendure application to provide real-time power usage statistics and automatically optimize Solar flow's output power, ensuring that 100% of the energy PV is used for home loads.

During peak hours, the system prioritizes household use; during off-peak hours, most of the energy is stored, greatly increasing PV utilization.

KSP

Function	Details	Benifits
Remote Control	Can be operated remotely by using APP	Convenient and easy to use
PV Linkage	Linkage with solar flow to automatically adjust the output power of solar flow to ensure higher power than the connected load	Improve PV utilization to save money
Real-time monitoring	Display the switching status and output power of the device	Convenient and easy to use
Smart Switch	AC output can be turned on/off on the APP, and timer and countdown tasks can be set	Improve convenience, safety, and efficiency
Electricity consumption analysis	Power consumption can be displayed in daily/weekly/monthly/yearly time dimensions	Optimize home electricity solutions
Electricity protection	With over-current/overload/over-voltage protection, child lock function	Enhancing safety

KSP-PV Linkage



1.Detect and calculate the total power of the load connected to smart plug
2.Send power data to solar flow via wireless transmission

1.determine whether the output power is greater than the total power of smart plug access
2. If less than the access power, then adjust the output power
3. If greater than the access power, then maintain the same

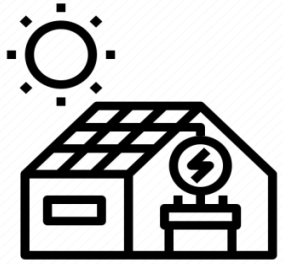
KSP-smart plug economical

Without smart plug

Can only manually set the output power, can not ensure that the power is greater than the household load, can not fully use the PV power

Unable to identify the main power-consuming devices in your home

Solar flow efficiency



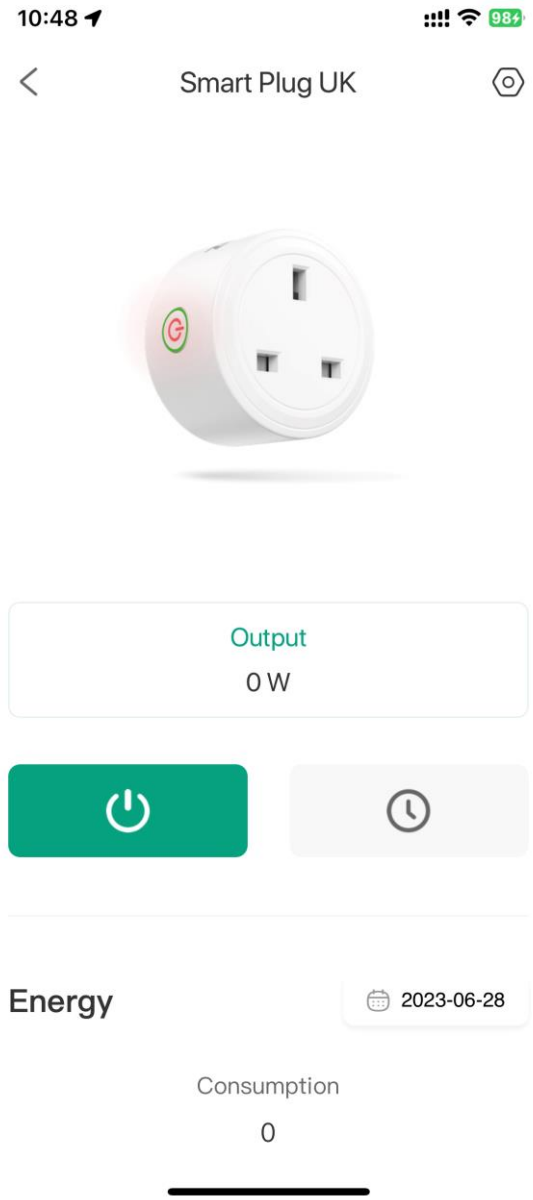
Household Electricity Plan

With smart plug

Ensure that 100% of the PV energy is used for the connected load, increasing PV utilization

Clearly know the power consumption and energy consumption of the connected load, and replace power-consuming equipment in time

KSP- Real-time monitoring and intelligent switching

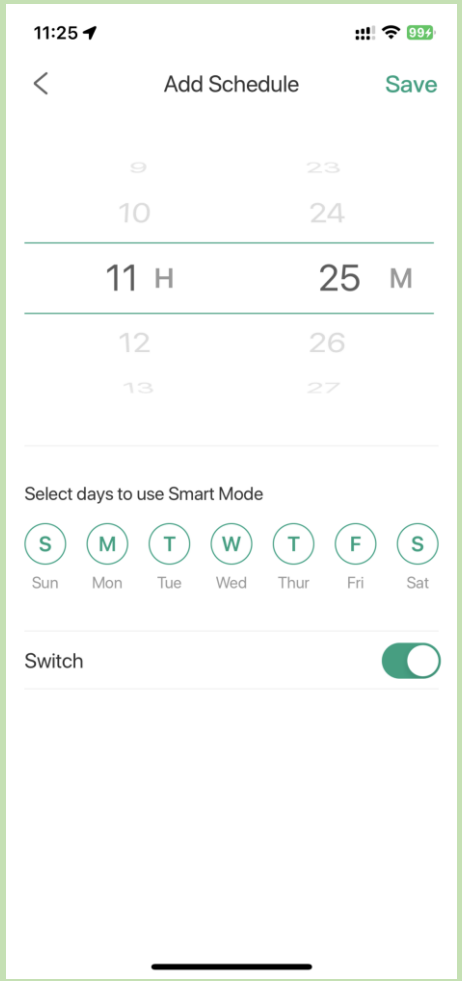


Real-time power monitoring to prevent unoccupied power

Intelligent switch for easy remote operation

KSP- Timer and countdown function

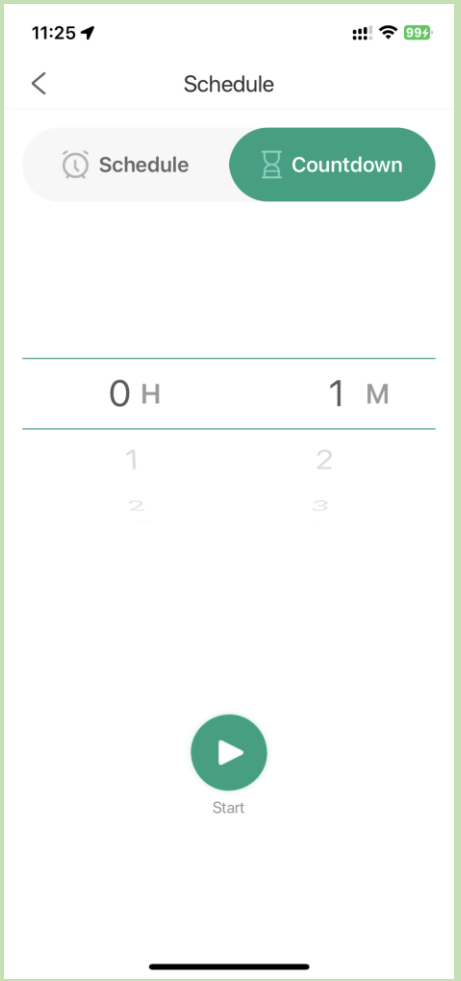
Schedule



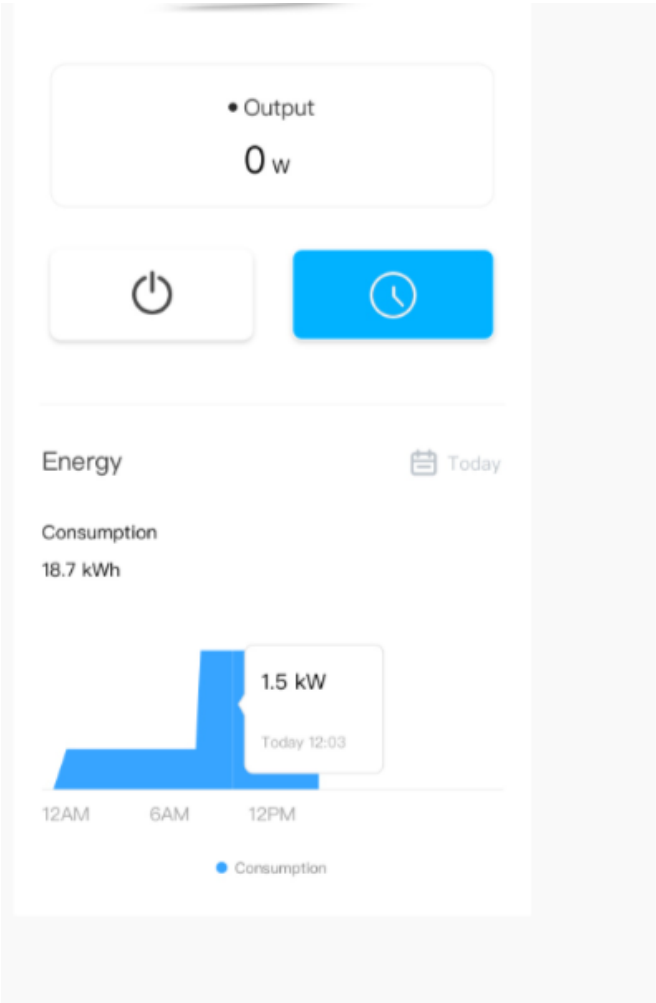
Convenient to do electricity reservation and enhance convenience

Improve the safety of electricity at night

countdown



KSP- Electricity consumption analysis



Day

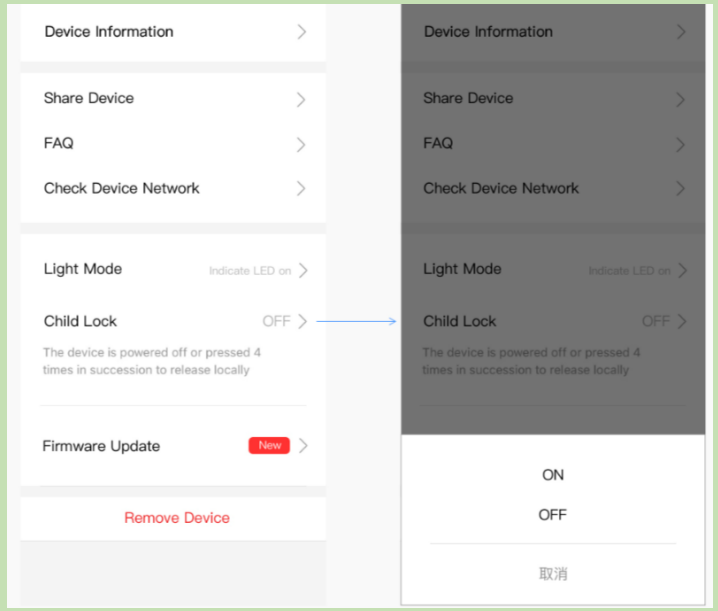
Week

Month

Year

KSP-Safe electricity use

Child lock



Child lock only blocks the operation of the physical buttons of the device and does not affect the operation of the user in the app or automation

Data sheets

Model	ZDSATP16
Size	5.2*5.2*8.3cm、56g
Input Voltage	AC100～240V
input Frequency	50/60Hz
Maximum load current	Resistive, 16A max
WIFI Module	2.4G、WIFI +Bluetooth
Working power consumption	< 1.3W
Standby power consumption	< 0.7W
Security Mechanism	WAP/WAP2
Encryption Type	WEP/TKIP/AES
Button	Power/WIFI Seting
OTA	APP
Smart sharing	Support
working environment	-5-40℃、＜80%
storage environment	-20-60℃、＜80%

Features	Remote Control (Zendure APP)
	Voice Control (Alexa&Gooole assistant)
	Power Monitoring(monitor daily and monthly electricity consumption)
	Energy consumption Schedule(Schedule to switch the machine)
	Over-load Protection
	solid state relay

FAQ

Q1: Can the output power of solar flow be equal to the total power of smart plug access?
A: No, at present, when solar flow receives the total power of smart plug, it will automatically round up to the nearest hundred to ensure that it is greater than the connected load, for example, if socket 1 + socket 2 = 410W, the power output from SolarFlow to micro-inverter will be adjusted to 500W.

Q2： Does smart plug have any relevant protection functions?
A: Yes, it has overload/overcurrent/over-voltage protection and child lock function.

Q3: Can smart plug prevent PV power backflow?
A: Not at present, need to wait for smart CT to achieve