WiFi Networking Version Super Intelligent Temperature Controller

WiFi networking curve electric measurement version super intelligent temperature controller
Multiple safety protections for automatic power-off in case of low-voltage over-voltage, over-current, and thermal faults
New temperature and electrica I Measurement hyperbolic display on the main screen
New Added historical electricity bar chart | New standby display calendar and screen shutdown
New power-off travel calendar | New peak value recording for entire electrical measure process
New temperature control fault six fold alarm |
New Added independent 18 bit ADC sampling temperature measurement chip

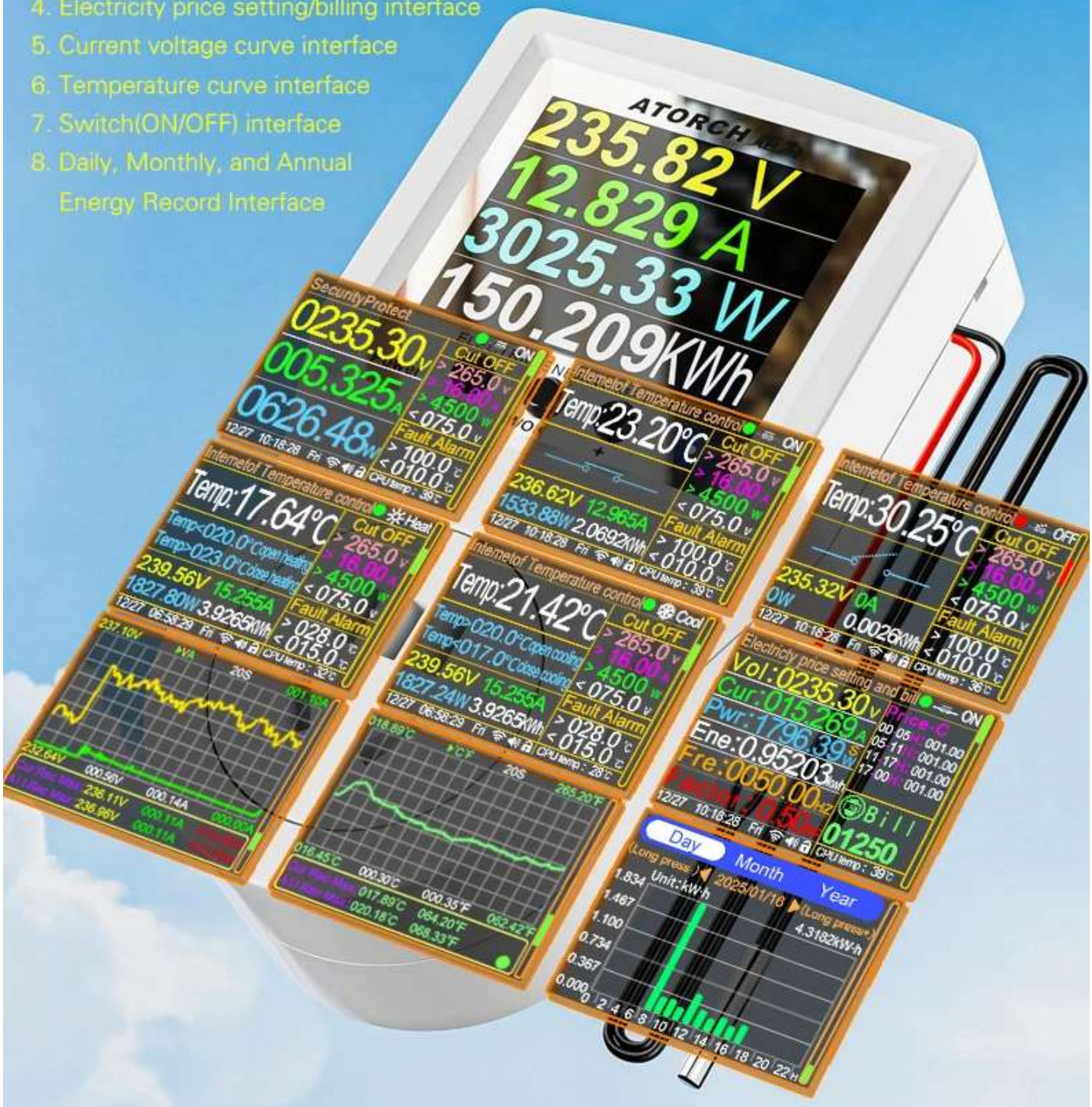
Mobile APP networking remote control and testing, unlimited distance,
home appliances instantly become intelligent, safe Electricity usage,
intelligent temperature control measurement with four operating modes:
Heating / Cooling / Normally ON / Normally OFF.

10 Major Display Interfaces

Short press the"+"/ "−" button to switch the testing interface

Long press the "+"/ "−" button to switch between ON/OFF/Cooling/Heating modes

1. Large font display interface
2. Overpass voltage power protection temperature fault interface
3. Heating/cooling interface
4. Electricity price setting/billing interface
5. Current voltage curve interface
6. Temperature curve interface
7. Switch(ON/OFF) interface
8. Daily, Monthly, and Annual Energy Record Interface



Current Voltage Curve and Peak value Recording
Celsius Fahrenheit Curve and Peak Recording

ATORCH has added voltage and current curves as well as Celsius and Fahrenheit curves for this, which can facilitate Query the voltage, current, and temperature curves during the electricity consumption process, as well as record the peak values of the curves,Real time detection of two types of curves provides a clearer understanding of the operating state and wave amplitude,making observation more intuitive.

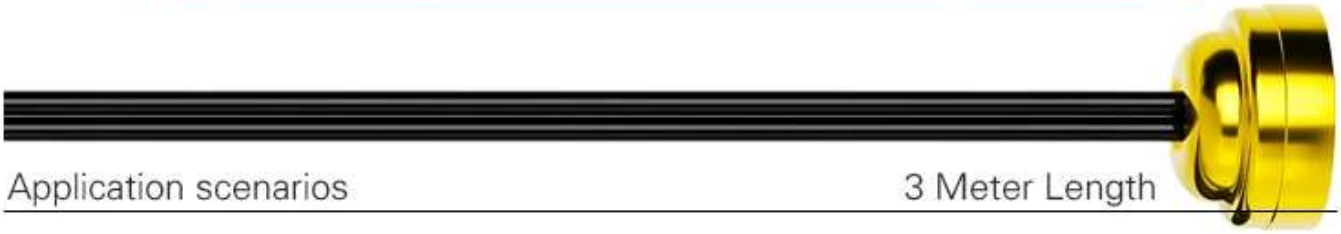
Scope of use for waterproof temperature probes and metal magnetic temperature probes

Waterproof temperature probe

Application scenarios

3 Meter Length

Magnetic Metal Temperature Probes



Application scenarios

3 Meter Length

Mobile APP Online Function Display

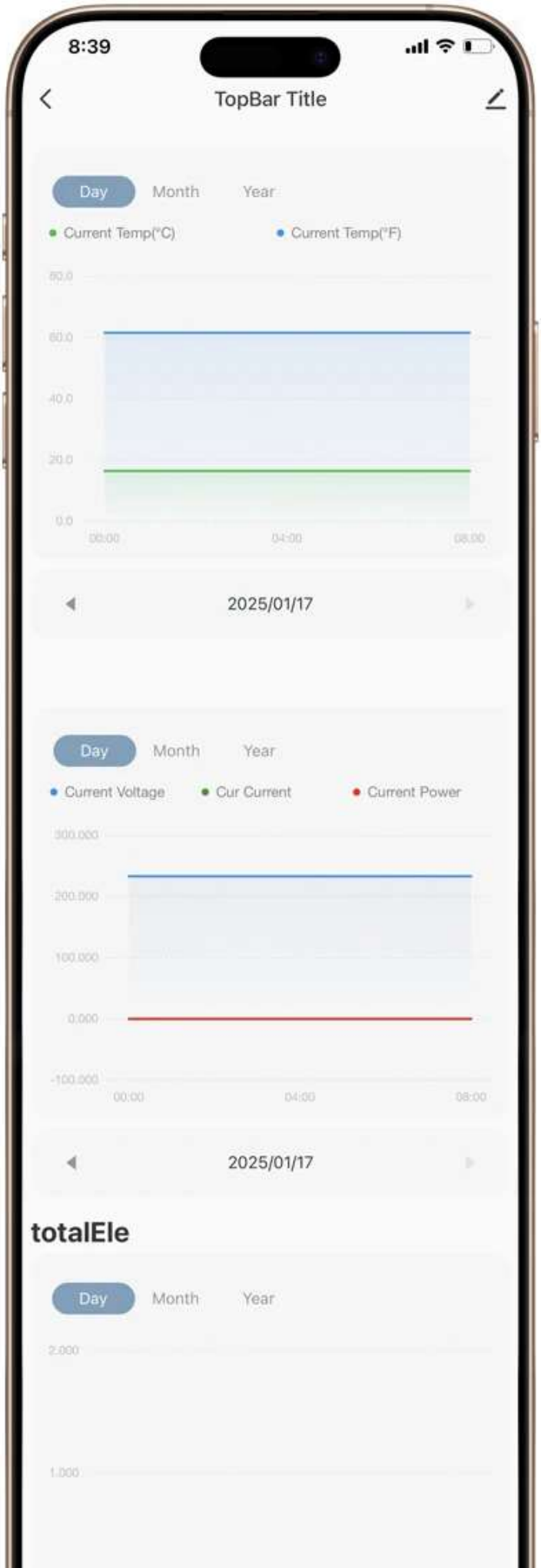
The WiFi networked temperature control intelligent switch temperature controller (S1BWT) can be downloaded from the smart life app and installed on your mobile phone to achieve remote control and testing of the network. It has rich functions and almost covers all the functions of the host remotely on the mobile app for functional control, temperature control data detection, hyperbolic statistics, and daily/monthly/annual power consumption, etc

Heating Mode

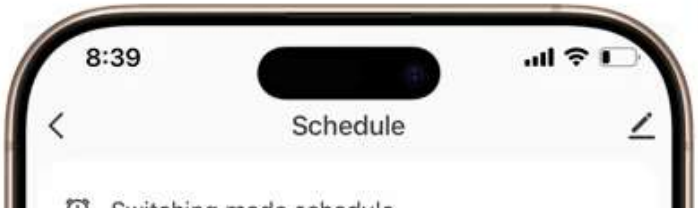
Colding Mode

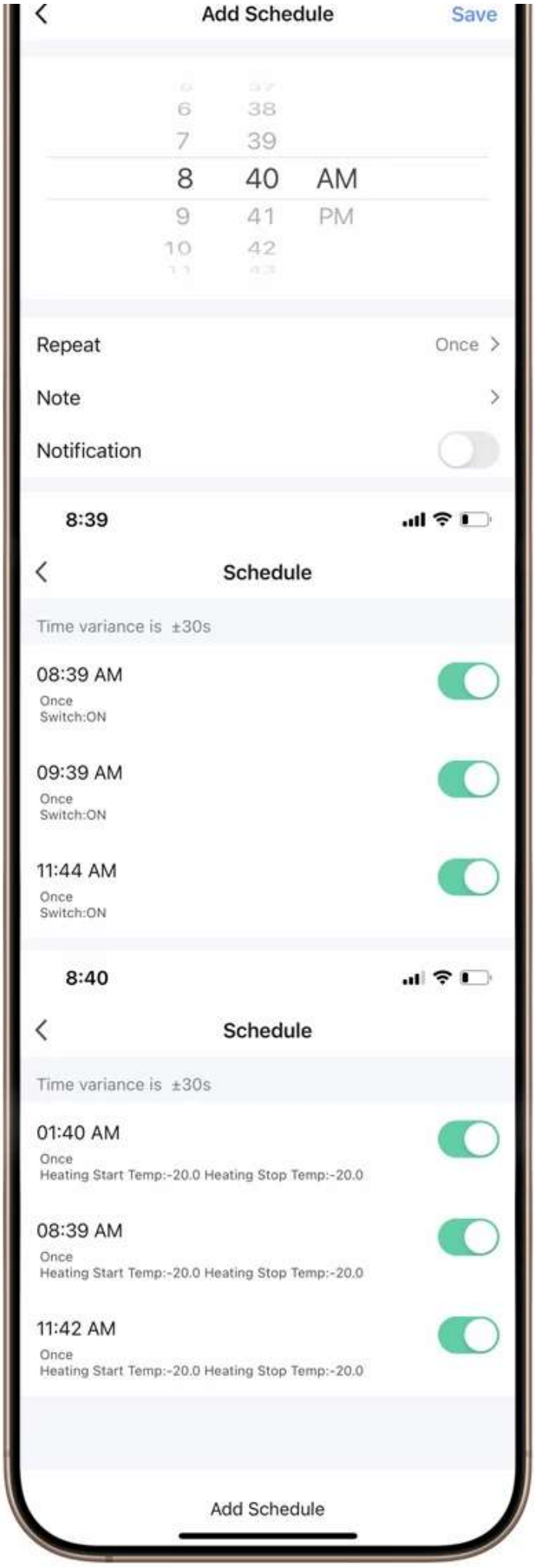
Switch(ON/OFF) Mode

Curve Mode Display

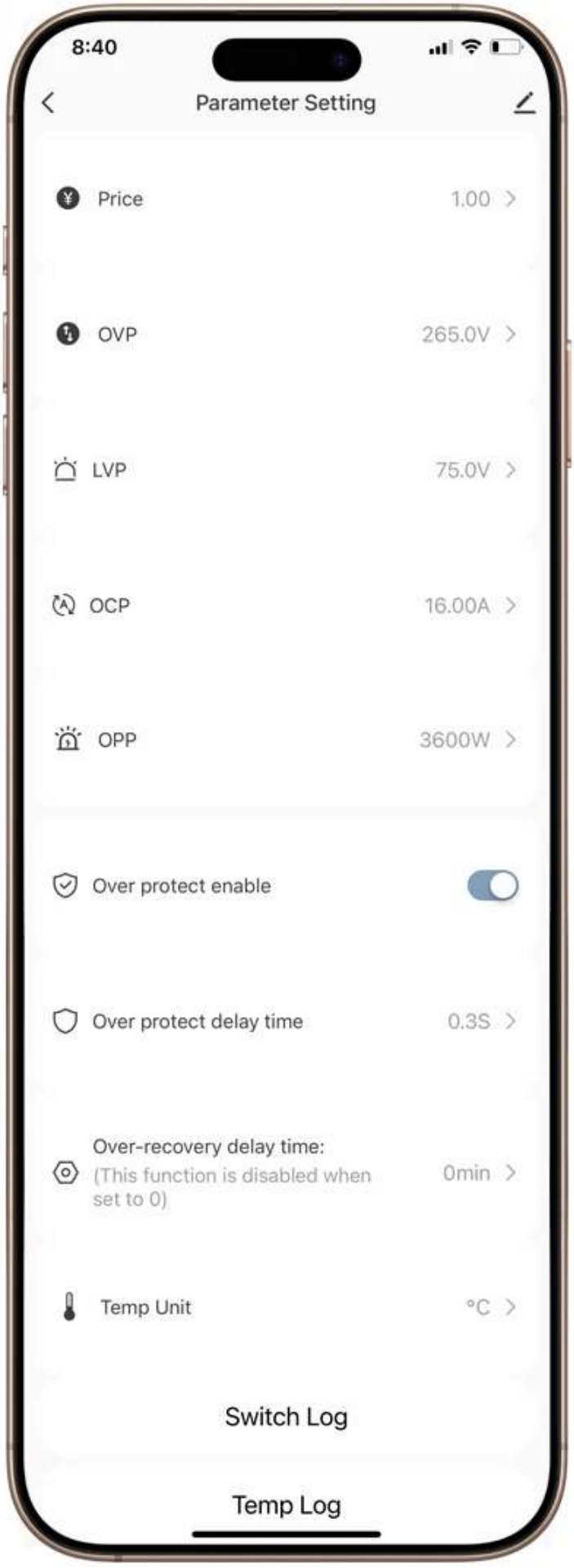


Schedule Mode





Parameter Settings

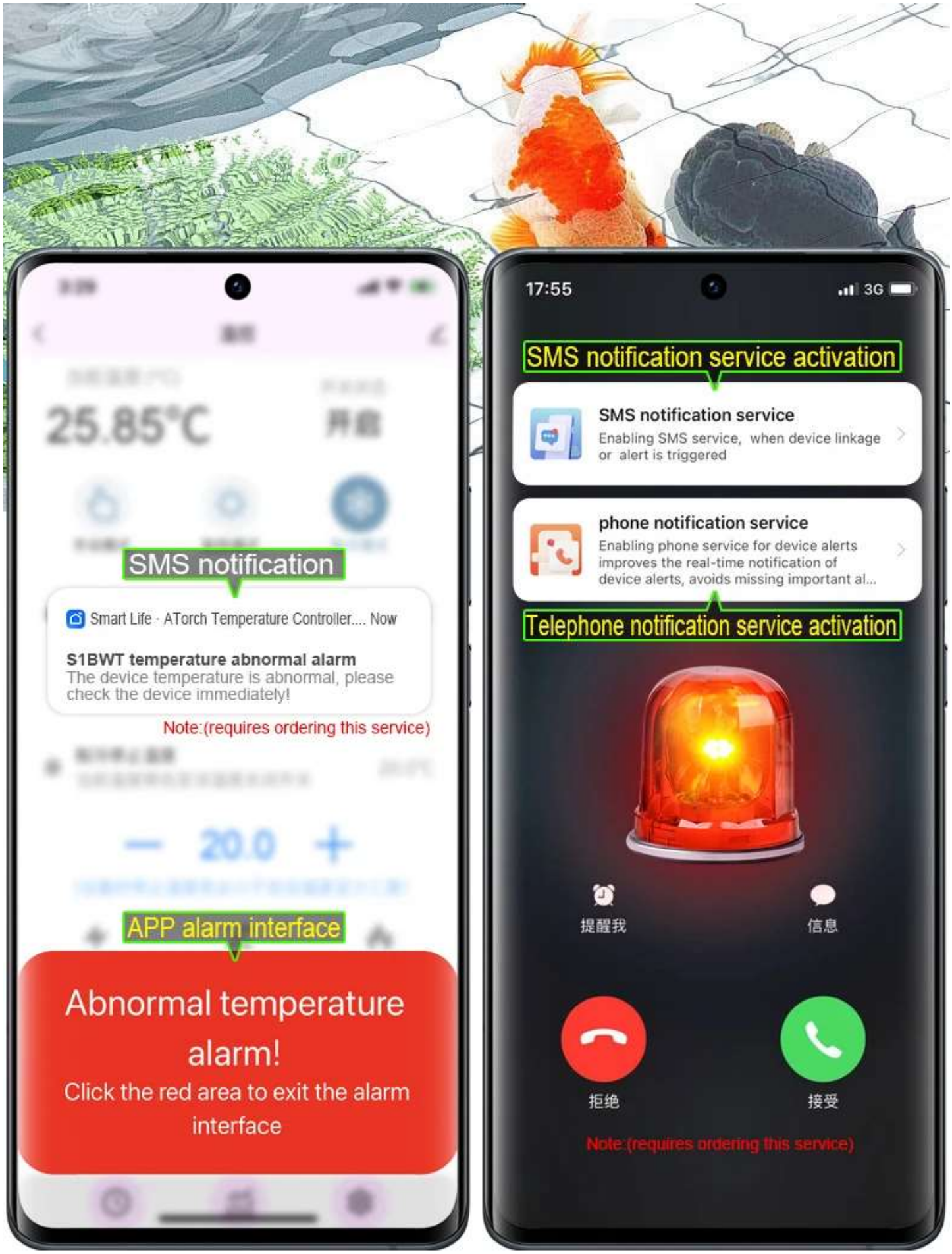


WiFi Networking Remote Firmware Upgrade

Lifetime free firmware update function

Fault alarm function, Multiple alarms for abnormal temperature, ensuring safety!

ATORCH Technology has summarized countless user feedback and demands, and has added six alarm channels that can be synchronized when the temperature probe is damaged, short circuited, or the built-in relay is abnormal and exceeds the set fault temperature alarm threshold : full screen display alarm, buzzer urgent sound alarm, APP notification alarm, APP large background text alarm, preset telephone alarm, preset SMS alarm, etc., ensuring reliable protection of temperature control safety!


25.85°C
SMS notification
Smart Life - ATorch Temperature Controller.... Now
S1BWT temperature abnormal alarm
The device temperature is abnormal, please check the device immediately!
Note:(requires ordering this service)
20.0
APP alarm interface
Abnormal temperature alarm!
Click the red area to exit the alarm interface
17:55
3G
SMS notification service activation
SMS notification service
Enabling SMS service, when device linkage or alert is triggered
phone notification service
Enabling phone service for device alerts improves the real-time notification of device alerts, avoids missing important al...
Telephone notification service activation
提醒我
信息
拒绝
接受
Note:(requires ordering this service)

Four standby display modes

Built in standby battery can continue to run time accurately even after power OFF

The four standby styles are:

Default Style/Large Font style/Calendar Time Style/Screen OFF style;

Built in standby battery, one time adjustment time, no need to adjust the time again when powering on after power off, saving time and effort!

Double Alarm, Quadruple Power OFF

Double alarm with buzzer and interface display for safer electricity usage
Overv-voltage, Over-current, Over-power and Low-voltage alarm
automatic power-off

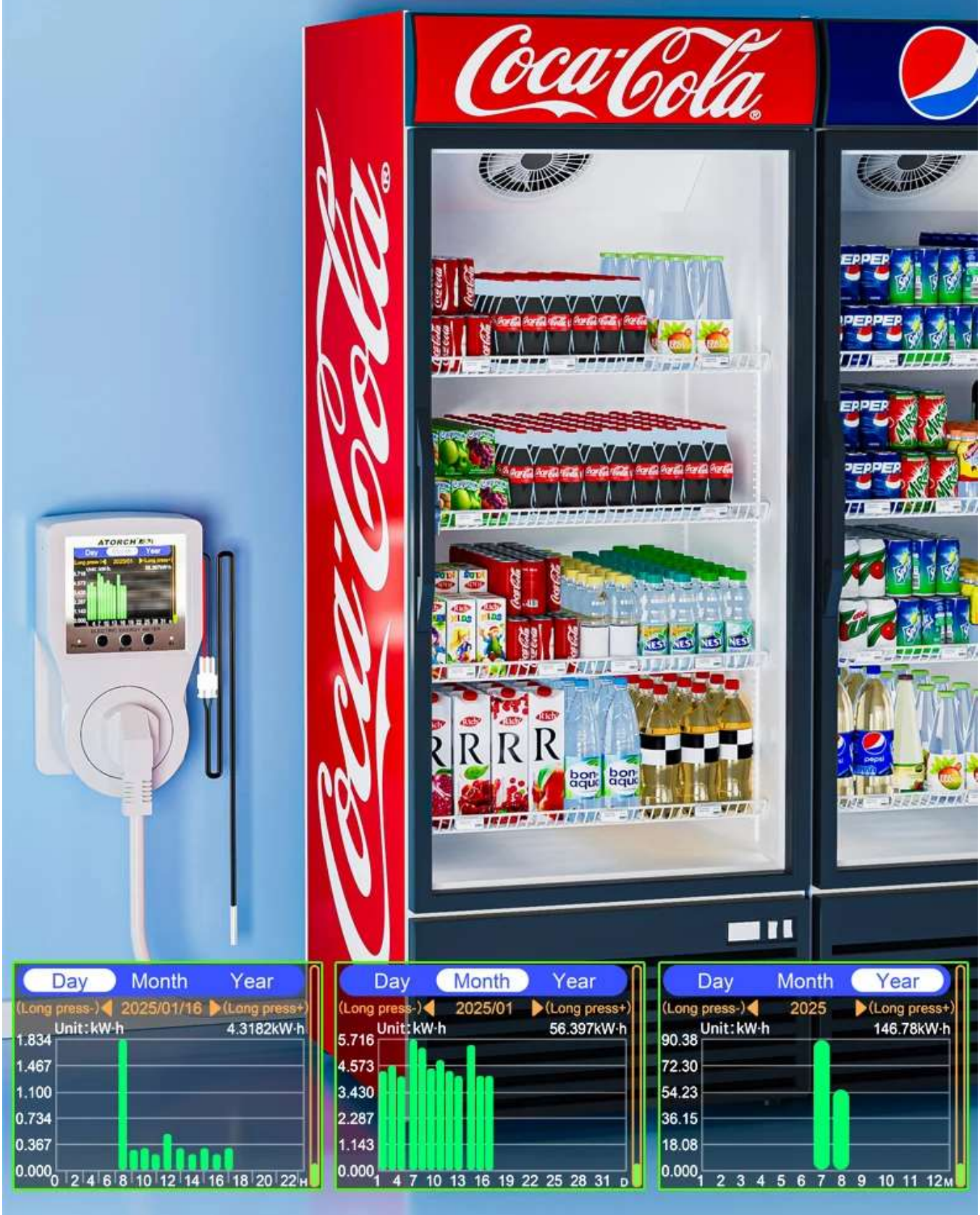
Heating mode Application

Fully automatic heating mode application of warm air blower
Intelligent temperature control,New experience of whole house heating

When turning on the heating mode, set the desired temperature and stop temperature values. When the temperature is lower than the desired temperature, the device will automatically turn on the power. When the temperature is higher than the stop temperature,the device will automatically disconnect the power supply to the heater.This cycle provides a new intelligent experience.

Data Statistics Report

Statistics of Voltage, Current, Power, and Temperature.
Real time detection of electricity consumption data, viewing daily/monthly/annual/report.
Real time management of efficient power consumption, with the host interface capable of real–time power consumption, daily power consumption statistics, and awareness.
Daily electricity expenses for appliances, and the ability to view electricity and temperature monitoring data on mobile phones.



Three electricity fee calculation modes

Free setting of peak valley electricity prices and tiered electricity prices
Three electricity tariff modes to meet different needs
The brand new intelligent design realizes the division of electricity consumption in multiple time periods, calculates different electricity fees separately, and can also freely set 2 levels of tiered electricity prices and 4 levels of peak and valley electricity prices.

Only single rate electricity prices can be set to calculate electricity bills.

Can set two types of electricity tariff coefficients For example:>200Kwh:1.00 >1000Kwh:1.50 When the current electricity level reaches corresponding value,two different electricity charges will be calculated.

24-hour segmented setting is not available,Same electricity price, time segmented,The electricity price parameters can be set freely,The power coefficient can also be based on,According to the requirements, it has more hommization.

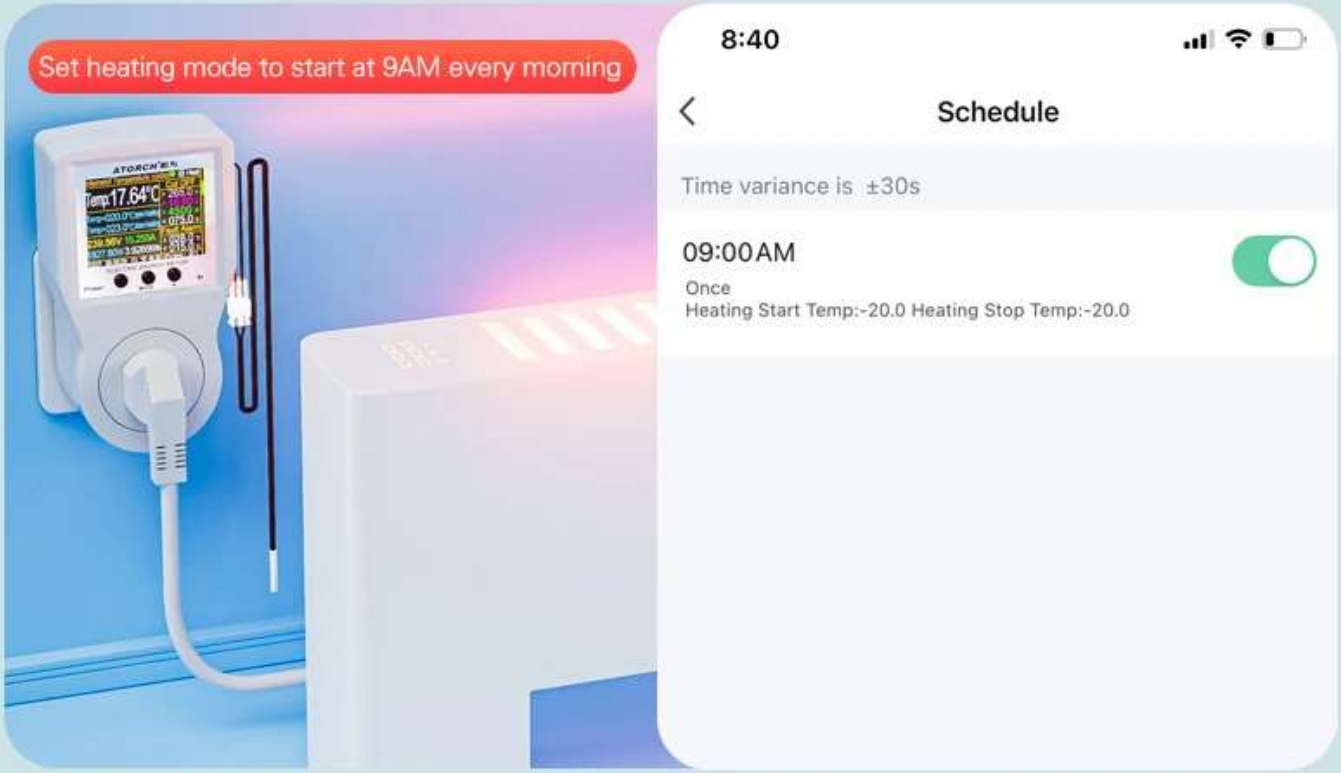
Three timing modes

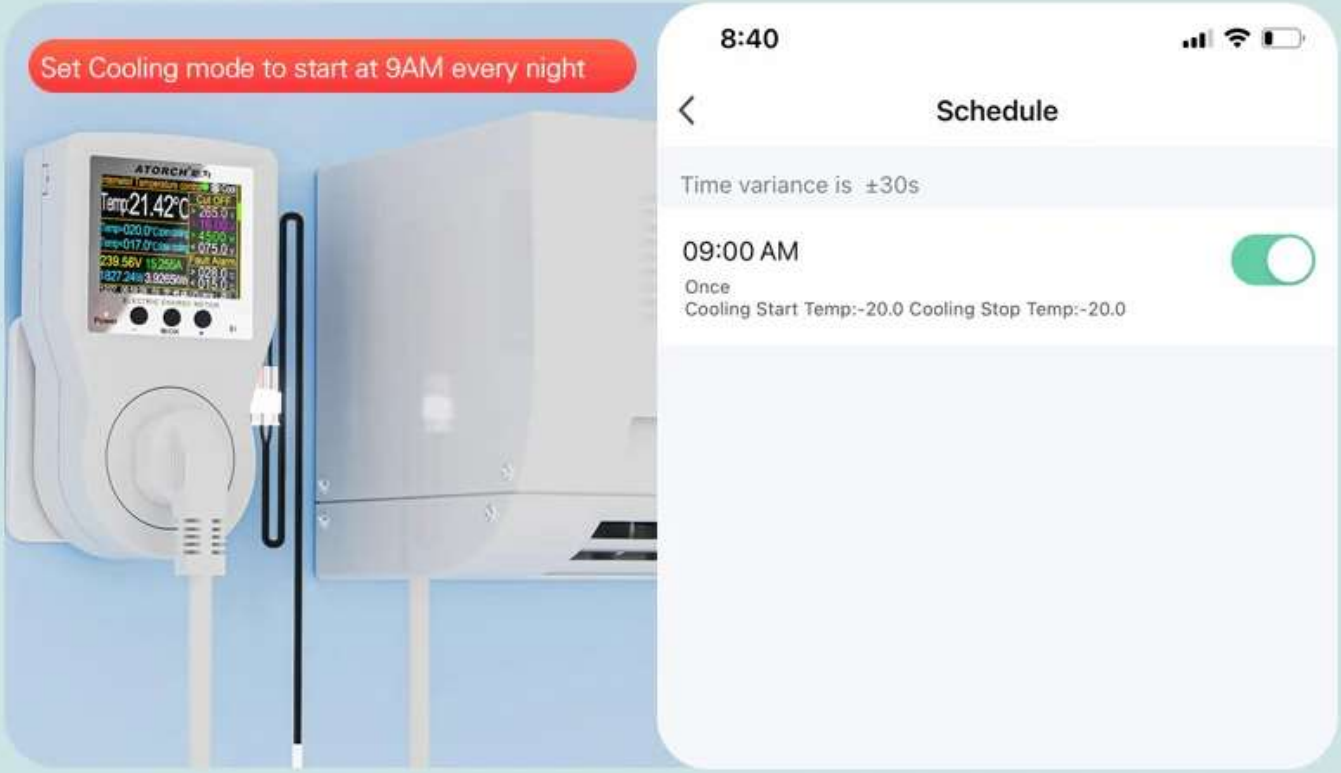
Intelligent power-off, intelligent power on, intelligent temperature control switch

Schedule the mode you need according to your needs, and then choose scheduled time to turn it on or off,Intelligent control of various electrical switches, no longer afraid of forgetting to turn off water heaters or other electrical devices

WiFi networking intelligent life APP remote control Intelligent timing, unlimited distance, anytime, anywhere temperature control

No need to frequently switch modes, set through the smart life app to switch between various modes at regular intervals, Save the trouble of switching back and forth, and also allow for timed power on through a mobile internet app Power off, multiple sets of scheduled tasks can be added, the interface is brief, and the operation is simple





One mobile phone controls multiple devices at the same time
Intelligent temperature control switch for various household appliances
Remote control at any time

Open your smart life, with the help of smart life apps, appliances can instantly become smart homes Safe and secure, WiFi remote control and measurement with unlimited distance, listening to your commands, with a wide range of applications.

Real time temperature display temperature history record

View the daily temperature records of the device through the smart life app, supporting both Fahrenheit and Celsius temperatures; Host curve measurement display, and curve charts can also be viewed on mobile apps

PC Online OTA Bluetooth upgrade firmware update lifetime free upgrade

Wireless Bluetooth computer connection/Android mobile app

1. Scan the QR code on your Android phone to download the corresponding APP software. After installation, open the software and click on the Bluetooth icon to enter. Simply select S1B-BLE to use it online.

2. Add a Bluetooth device to the S1BWT-BLE serial port device online on a PC computer. Scan the QR code to download the corresponding APP software and save it. Open the software without installation and select the newly added Bluetooth serial port model to successfully connect and use it.

3. The upper level online OTA Bluetooth over the air firmware upgrade has a lifetime free upgrade function. ATORCH engineers will continuously update the product firmware according to user needs and release new firmware to obtain better optimization and more functions. Users can purchase once and receive lifetime free upgrades

WiFI Voltmeter Distribution Network Description

WiFi connection to the network only requires three steps
*For voltmeters with WiFi modules

Download the Smart Life APP Smart Connection Meter "S1BWP "

01

- Smart life APP Tuya APP
- Can be downloaded from the mobile app market (Google Play Market, Apple APP Store)

Add "ATorch as WiFi Connected Electricity Meter "(S1BWT)"

02

After being powered on, the device's red light flashes and remains on to enter the distribution network mode; Waiting for WiFi connection.

Boot interface

Power on distribution network waiting the interface

Power on distribution network to enter the interface

Paired successfully WiFi interface

*For voltmeters with WiFi modules

Smart Life APP Pair Operation Steps

03

Attention: Be sure to turn on Bluetooth and location permissions when adding devices

Open the Smart Life app and it will automatically pop up
To add a device, click Add to proceed

Select device working WiFi and enter Click to manually enter the password

Enter the WiFi name and Password, and then Click Next to continue

After pairing is completed, Click on Next

After a successful WiFi connection, multiple values can be set for remote control

After a successful connection, open the app and automatically connect via WiFi

Product
parameters

Product Parameters

Brand/Model/Version

ATORCH/S1BWT/WiFi version

Product Name

WiFi networking hyperbolic intelligent temperature controller

Curve Function

Current voltage curve/temperature curve
Can pause/run

WiFi Networking

Support

Input Voltage

AC85~265V 50/60Hz

Maximum Current

0~16A

Power Range

AC85~265V 50/60Hz

Measurement Accuracy

± 1%

Temperature Measurement Range

-20°C ~ +120°C

Bluetooth Connection

Only supports Android
(please contact customer service for software)

Power Off Memory

Support

Firmware Update

WiFi Networking Upgrade

Calendar/Time

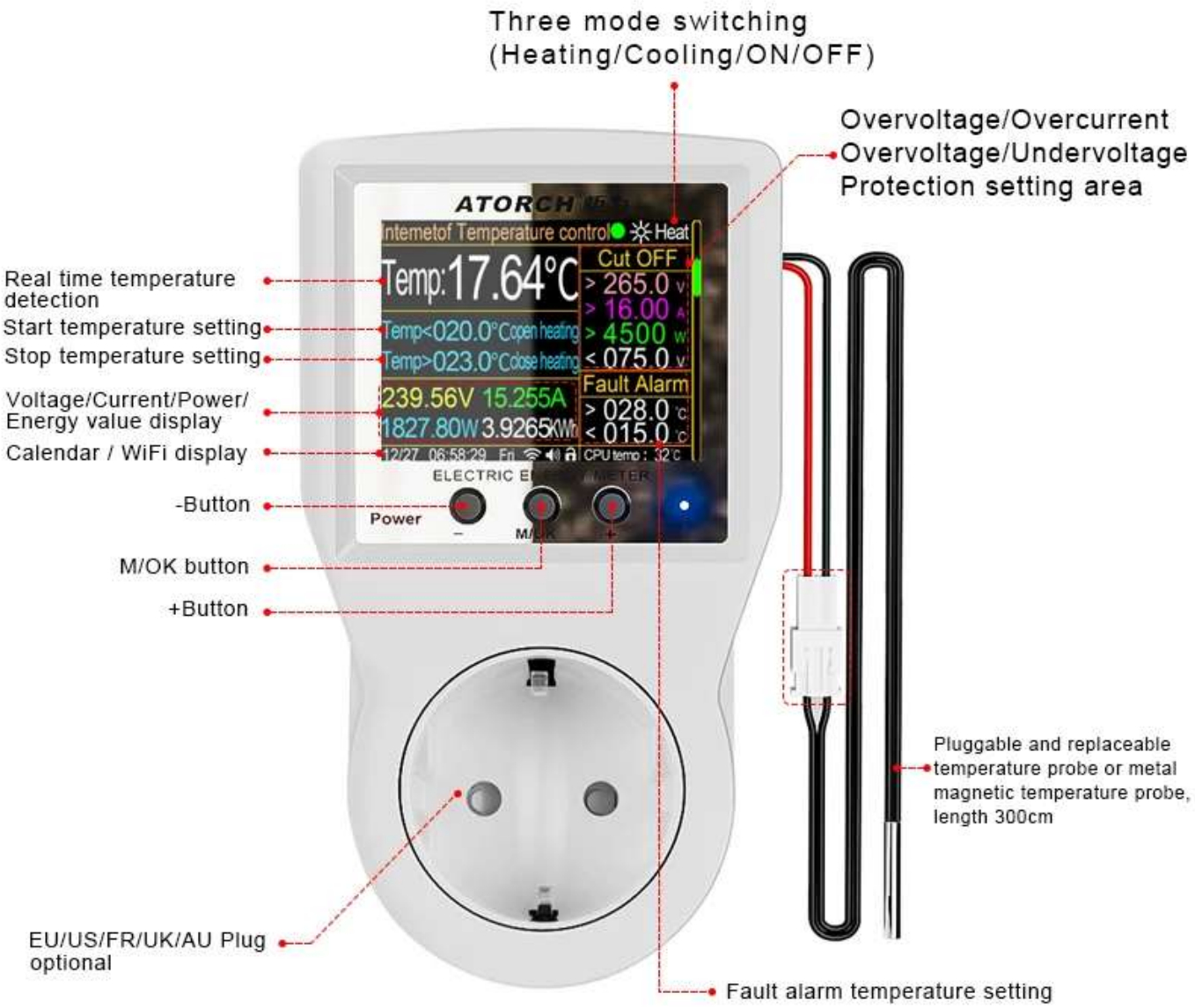
Support (from network data)

Mobile Remote

WiFi Remote Operation

Product
parameters

Product size


Three mode switching
(Heating/Cooling/ON/OFF)
Overvoltage/Overcurrent
Overvoltage/Undervoltage
Protection setting area
Real time temperature detection
Start temperature setting
Stop temperature setting
Voltage/Current/Power/ Energy value display
Calendar / WiFi display
-Button
M/OK button
+Button
EU/US/FR/UK/AU Plug optional
Pluggable and replaceable temperature probe or metal magnetic temperature probe, length 300cm
Fault alarm temperature setting
ATORCH
Heat
Cut OFF
Temp:17.64°C
> 265.0 V
> 16.00 A
> 4500 W
< 075.0 V
Temp<020.0°C open heating
Temp>023.0°C close heating
239.56V 15.255A
1827.80W 3.9265KWh
Fault Alarm
> 028.0 °C
< 015.0 °C
CPU temp : 32 C
Power

Producst list 1

1. European（EU plug） standard temperature controller x1
2. 3m Waterproof temperature probe x1

Producst list 2

1. European（EU plug） standard temperature controller x1
2. 3m Metal magnetic temperature probe x1