

S1 Electricity measure Smart control

Programmable Socket

(Instruction Manual)



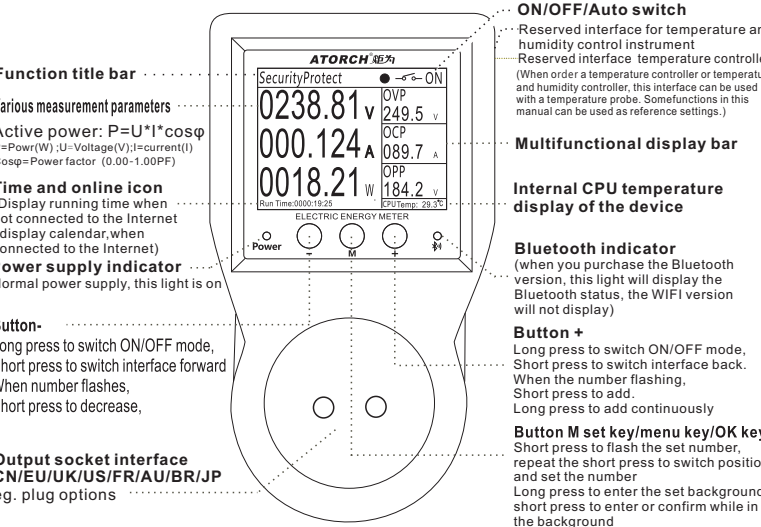
This equipment is used for Smart on-off control, safety protection control, Programmable control, Internet of Things data transmission and wireless control, accumulative power, calculation of electricity bill And measure detailed parameters such as current voltage, current, power and frequency.

(The continuous optimization and updates of the product and the differences in User manual will not be notified separately. Please understand.)

Product type and attributes:

This product is available in Bluetooth version, smart WiFi version, and smart WiFi curve version. Please refer to the user manual and purchase for details!
This product user manual is applicable to different types of sockets such as CN/US plug/EU plug/FR plug/UK plug/AU plug/BR plug/JP plug, etc!

Key operation method and interface introduction:



Introduction to the operation of function interface switching and measurement interface value setting:

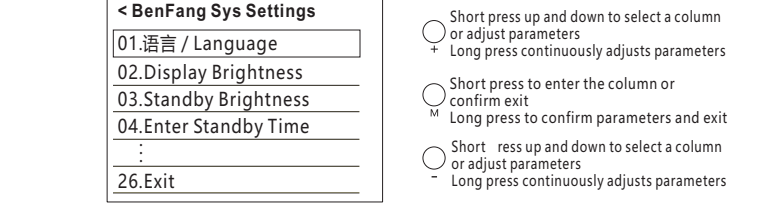
Connect power supply as shown in the diagram, and the display screen will light up. Short press "+" or "-" button to cycle forward or backward to switch between various function display interfaces. Long press "M" button to enter the system background settings interface. Short press "M" button on the front-end interface, and the corresponding number will flash. Then adjust the value by short press "+" / "-" button. During the flashing, you can continue to short press "M" button to switch the number of digits and adjust the following numbers. When the flashing stops, System will auto save and display word "OK", or long press "M" button to save immediately ; Long press and holding "+" / "-" keys in normal times will cycle left and right to switch between several switch modes such as "ON, OFF, and AUTO"

Introduction to the operation of the background setting interface:

Long press "M" button on the front-end interface to enter the back-end settings interface, and then short press "+" / "-" button to select the desired settings column up and down. Press "M" button to enter the parameter adjustment interface, and short press "+" / "-" button to adjust parameters. Short press or long press "M" button again to return to the previous menu. When in the back-end interface, you can also long press "M" button to quickly return to the front-end function measurement interface.

use settings

Long press "M" button to enter the background settings interface, then short press "+" / "-" button to select the settings section up and down, press the M key to enter the parameter adjustment interface, short press "+" / "-" button to adjust parameters, and then short press or long press "M" button to return to the previous menu. When in the background interface, you can also long press "M" button to quickly return to the front-end function measurement interface



- 1) Overvoltage, overcurrent and undervoltage protection threshold: when this threshold is reached, an alarm interface will pop up, and the output will be turned off if the relay type is used;
- 2) Standby screen: If it is set to simple measurement, it will enter the measurement interface mode with large numbers when the standby time is reached;
- 3) Clear the accumulated data: press the "+" button to this column, and the word "OK" will pop up to make it clear that the accumulated electricity bill data is zero;
- 4) WiFi settings reset: If you have changed the WiFi network account password environment, please reset this column to reconfigure the network;
- 5) Restore factory settings: restore all data to factory values (short press the M key to this column and then long press the "+" key for 3 seconds to reset the system)

Bluetooth connection or WiFi connection steps:

WiFi version: Scan the QR code displayed on the host to download the Smart Life APP or Tuya APP, and operate according to the methods and steps displayed on the interface to connect to the Internet
Bluetooth version: Search for E_ test in the Apple app or scan the Android code to download and install it, then click the icon to open the APP, then click the Bluetooth icon in the upper left corner of the interface to enter the list and display the S1B-BLE model, and then click the model to automatically return to the main interface of the APP. At this time, the bluetooth icon of the host changes from the original gray to blue and you hear the beeping sound of the speaker, which means that the connection to the computer is successful, and the data starts to be transmitted and displayed synchronously.

Warning: If the model S1B-BLE cannot be displayed after clicking the Bluetooth icon in the upper left corner of the APP interface, please enter your mobile phone settings to open the storage permission and location information options of this APP! After these two items are fully turned on, return to the APP interface and then enter to display the model correctly.

Electrical parameters:

Function	Bluetooth version	WiFi version	WiFi Calendar Energy Statistics version
Product name:	S1 Bluetooth socket	S1 smart WiFi socket	S1 WiFi Calendar Energy Statistics socket
Model number:	S1B	S1BW	S1BWP
Test voltage:		AC85-265V / 50-60Hz	
Test current:		0-10A max 16A	
Test power:		Max 3680W	
Power range:		0-99999Kwh	
Measurement accuracy:		±1%	
Power factor:		0-1.00PF	
Product size:	133X76X73mm	Operating temperature: -10°C~+60°C	
Curve function:	None Voltage current power curve	Support voltage, current, and power curve display	
Mobile control:	E-testAPP	Tuya or smart life APP	
Firmware upgrade:	Not support	WiFi remote networking firmware upgrade	
Power-off memory:	Support	Support	
Other functions:	None	Get Internet time, calendar and weather data display.	

Setting method and application of safety protection function:

Short press the "+" key to go to the security protection page, short press the "M" key, and the voltage hundred digits of the overvoltage automatic power-off bar will flash, then short press the "+" or "-" keys to adjust the value, short press the "M" key again, the voltage tens will flash and can be adjusted. Continue with this method, flashing the value of the over-current power column and can be adjusted, after the adjustment is completed, long press the "M" key to save or flash to stop the system to automatically save. The set protection threshold value can be increased by 5~10% according to your application value, so as to ensure normal use and also have the power-off protection function (the set protection value will also run in the background of other interfaces). When the input voltage or the power value of the current flow exceeds the threshold you set, the system will instantly cut off the power and use the horn to prompt, and at the same time display an alarm message on the display for you to check. At this time, if the user's button signal or infrared remote control signal is not received, the product will continue to power off. Until the user releases the danger and presses any key or remote control key on the host, the system will return to the protection interface and automatically be in the off state, waiting for the user to reset or restart the power.

Security protection settings skills for charging, such as applying smart power off (Category A) to electric vehicles or full power failure of mobile phones:

Short press the "+" button to go to the smart power-off category A page and select the "on" state, observe and record the charging power value of the charged device once after it is fully charged; Then, add 2~5W on the basis of this value, which is the power value of how many watts of your full automatic power-off setting is less than the continuous value and turn on the "auto" gear. In this way, when the system detects that the current power value is less than the power value you set and continues for the recharge time you set, the system displays the power-off icon and cuts off the power output, thereby protecting your device(The longer the duration you set, the longer the subsequent charging time is when it is fully charged, so as to ensure that the device can be fully charged and at the same time double-monitoring to achieve accurate and automatic power-off for safe charging protection).

Tips for viewing the progress bar and countdown in the lower right corner of the display interface:

When the system detects that the measured power value is less than the power value you set, the system starts counting down, and the progress bar is calculated according to the duration ratio you set. The progress bar decreases and changes color from yellow to red until the end of the power failure. When the power value measured by the system is greater than the power value you set at a certain moment, the countdown will be cleared immediately, and the progress bar will fill up instantly, and then a new round of detection will be performed.

setting skills, such as applying smart power off (Class B) to avoid loss of electricity bills caused by people leaving home for a long time and forgetting to turn off the device:

Short press the "+" button to go to the smart power-off type B page and select the "on" state. Observe and record the minimum power value of the connected device when it is powered on. Then, subtract 5~25W on the basis of this value. This is how many watts of power should be set for your connection and turn it on to the "auto" gear. In this way, when the system detects that the current power value is greater than the power value you set, it will judge that your device has been powered on. At this time, the system starts to count down to the duration value you set, and the system determines that you may have forgotten to turn off the device because you left home and automatically cut off the power, so as to achieve the purpose of people

accidentally forgetting to turn off the equipment and causing the equipment to run for a long time when no one is left, which consumes huge electric energy and causes huge loss risks. When the power is automatically disconnected, the system horn will beep several times, and at the same time, a red power-off information interface will be displayed. At this time, if the system detects any key signal or your device's remote control signal and mobile phone APP and other key signals, it can resurrect and return to the smart power-off interface, and automatically turn on the power again and start the next round of smart power-off process. **This feature comes from a real story:** A worker who travels frequently, carelessly forgot to turn off the air conditioner at home before a business trip. The air conditioner was turned on for a few months during the business trip. After returning home, he found that he had used thousands of kilowatt-hours of electricity and caused a loss of thousands of yuan.

Setting method, such as applying the timing power supply page to timing charging devices such as mobile phones or electric vehicles:

Short press the "+" button to go to the timing power supply page, set the time you are expected to be fully charged by the charging device, and then press the "+" button to enter the automatic mode. The system is powered on and the countdown reaches the time you set. When the system automatically cuts off the power output on time, the speaker emits a beep and the display shows a red cut off interface.

FCC Statement

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. 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.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. such modifications could void the user's authority to operate the equipment. The device has been evaluated to meet general RF exposure requirement. To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation configurations of the transmitter and its antenna(s).

APP software and download address: <http://www.atorch.cn> (Please refer to the official website for more details)

Safety warning: The input of this product is strong electricity. Do not touch the metal parts with electricity during use. Be sure to pay attention to safety