

XiaoxiangElectric APP Instruction

XiaoxiangElectric APP is a lithium battery management APP. It mainly displays: lithium battery voltage, current, capacity, temperature and other curves, charge and discharge switch control, SOC, battery voltage, Charge and discharge current, protection status, basic parameters, etc. through the background permission operation. you can also set the parameters of the lithium battery protection board to make the health status of the lithium battery more transparent and ensure the safety of the use of the lithium battery.

Android-client



IOS-client



Scan to download App
Only Support to search XiaoxiangElectric in Apple Store

FUNCTION INSTRUCTION

Module	Function	Describe	Example
History	Voltage,current,remaining capacity, temperature	Display the battery maximum, minimum, average voltage. battery current, remaining capacity.BMS board temperature change curve	The last 100 pieces of data, one per minute, Graph
Control	Charging switch, discharge switch, automatic equalization switch, clear alarm, reset capacity	Issue commands through the App to control the BMS board; clear alarm data; reset remaining capacity; open equalization	Control switch: on/off; automatic equalization switch, clear alarm, reset capacity is not displayed in some BMS versions
RT (Real Time)	SOC display diagram,Estimated filling time,Estimated release time,charging switch,Discharge switch,Equilibrium, Protection status,total voltage,current,power, Max voltage(single string),Mini voltage(single string), Average Voltage, differential pressure, Cycles,temperature,humidity, Single String Voltage Information	Dashboard, displaying battery voltage, current, temperature, SOC, protection status, differential pressure, cycle times and other data	Real-time data of battery static, charging and discharging
Parameter	Basic information, initial settings	Display the basic information of the protection board	Display BMS basic information;
Mine	Complete information, unbundle equipment, use instructions for lithium batteries, use instructions.	Display personal information and settings, instructions for use, etc.	Account information, manufacturer information, etc.

APP USER GUIDE

1 Operating Environment

Android version 5.0 / IOS version 10.0 or above, it can be used on devices that support Bluetooth 4.0, and after obtaining the permission to use Bluetooth and GPS, it can run.

2 Login connection

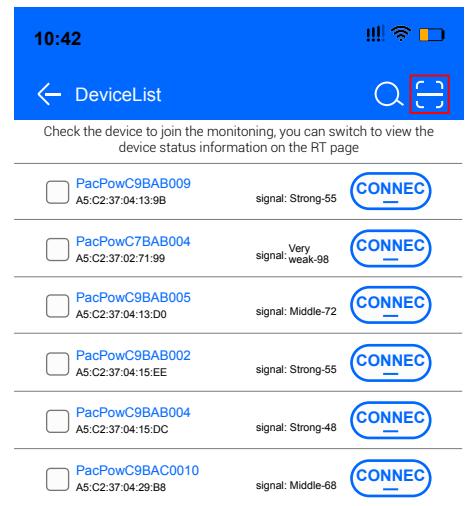
2.1 Registering an Account

After APP is successfully installed, open the APP, allow Bluetooth to be turned on and obtain location information. The APP will display account registration page. Choose Log in later to quick connect your battery Bluetooth. You also can choose quick registration if you like.

The screenshot shows the app's login interface. At the top, the status bar displays the time 15:42, signal strength, Wi-Fi, and battery icons. Below the status bar is a blue header with the text "Sign in". The main area contains two input fields: "Please enter your email account" and "Please enter the login password". Below these fields are two buttons: a blue "Sign in" button and a yellow "Log in later" button. At the bottom, there are two links: "Quick registration" and "Forgot password?".

3 Bluetooth Connect/Disconnect

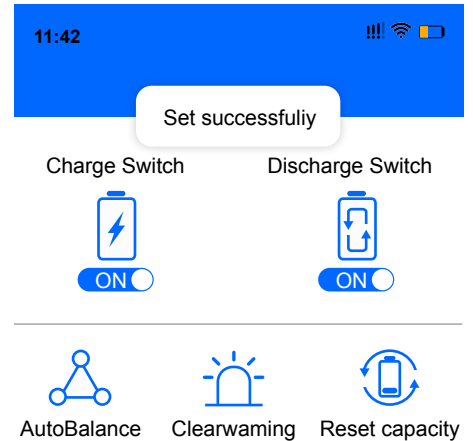
- 1 Connect to Bluetooth:** After successful login, the APP will jump to the Bluetooth list, select the Bluetooth that needs to be connected to connect.
- 2 Switch Battery:** When there are multiple batteries, you can check multiple Bluetooth names in the list, and quickly switch the battery to be connected on the real-time interface
- 3 Scan Code Connection:** In the upper right corner of the real-time interface, click the scan code button to connect directly by scanning the bar-code of the Bluetooth module.
- 4 Search for Bluetooth:** On the device list page, when there are multiple batteries, you can quickly find the battery that needs to be connected by searching for the Bluetooth name.
- 5 Disconnect Bluetooth:** On the device list page, click Disconnect.



4 Control interface

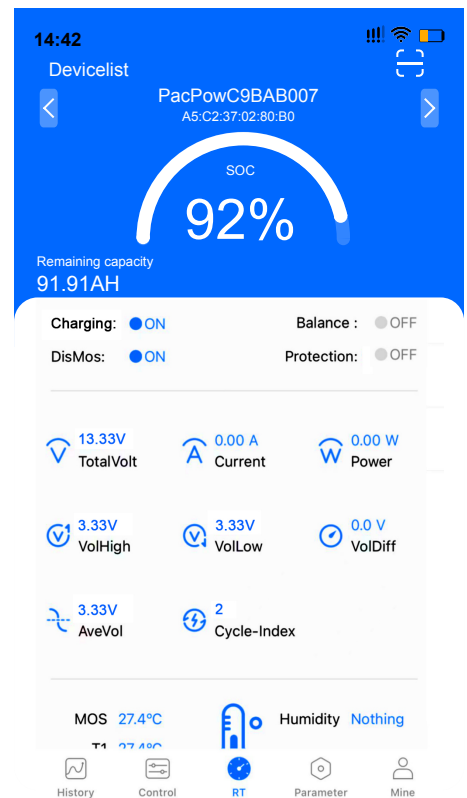
- 1 Charge and discharge switch:** Through the APP, you can directly control the charge and discharge switch to open or close, and control the charging/discharging of the battery.
- 2 Automatic equalization:** The equalization function is forced to be turned on. When it is turned on successfully, the real-time interface equalization status will be displayed.
- 3 Clear alarm:** clear alarm data.
- 4 Reset capacity:** Re-estimate the remaining capacity through the current voltage value.

Note: Automatic equalization switch, clear alarm, reset capacity are not displayed in some BMS versions.



5 Real-time interface

- 1 Capacity information:** Only the battery SOC percentage and remaining capacity are displayed when it is static; the estimated full time is displayed when charging; the estimated emptying time is displayed when discharging.
- 2 Switch and protection status:** the current status of the charge and discharge switch is displayed, when the switch is turned on, it is on, otherwise it is off; the balance status display, the balance is turned on, it is on, and vice versa; the protection status display, when the protection board triggers the protection threshold or manual control When charging and discharging, the protection state displays the corresponding protection state, and it displays off when the protection state is not triggered.
- 3 Battery information;** total voltage, current, power maximum single-cell voltage, minimum single-cell voltage, average voltage, voltage difference, cycle times, read or calculated through the protection board, and the above data is displayed on the APP.
- 4 Temperature and humidity:** The MOS temperature is the ambient temperature of the protection board, the others are the external NTC temperature, and the temperature of the cell is detected; the humidity is the ambient humidity, which needs to be installed with a humidity probe to display.
- 5 Single string voltage:** single string cell voltage, the protection board collects cell information, the highest voltage is displayed in green, the middle value is displayed in blue, and the lowest voltage is displayed in gray.



SERVICES

- 1** Support APP name and logo modification, customized according to customer needs;
- 2** Support Google, Apple Store. Android system store won't support.
- 3** Support operation interface design, 100% meet customer needs.
- 4** Support adding custom functions, and provide function implementation solutions.

Attention: The displayed data on the APP may be inaccurate if it is a series or parallel connection.