

MARXON Bluetooth APP

User Manual

Name	Version	Hardware Requirements	Time
MARXON BLUETOOTH APP	V1.1.2	Android/iPhone	2024/06/17

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1. Name

MARXON BLUETOOTH APP.

2. User Manual Content

This manual mainly introduces the operation methods and processes of the MARXON Bluetooth APP (hereinafter referred to as the app), which is convenient for users to use the APP quickly and accurately; The specific information will be subject to the actual page of the app.

3. Hardware Requirements

- 1) Android mobile phone;
- 2) iPhone.

4. Software Requirements

1. Android phones: You can download the app from the Google Store
2. iPhone: You can download the APP from the Apple store

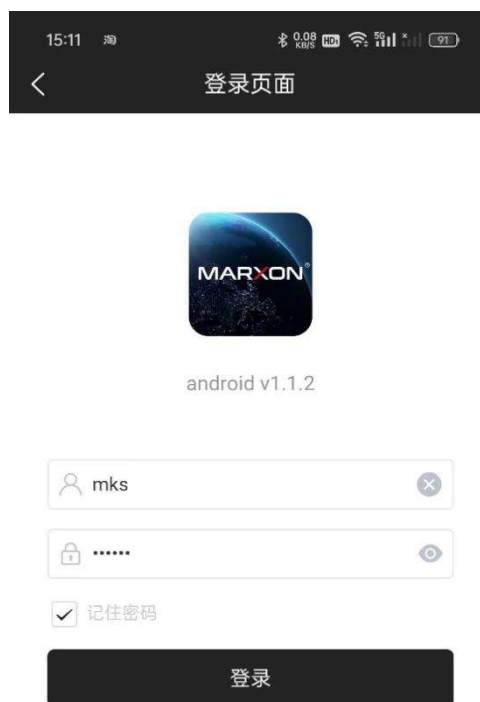
5. Bluetooth Connection Method

This application searches for Bluetooth devices around the mobile phone that contain the words "MKS" starting with the letters, MKS stands for Marxon smart battery, and the device may fail to connect if the mobile phone is far away; If you need to add other device search permissions, please repackage and install.

6. Description of the main functions

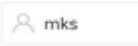
6.1. Login Page


Login page: You need to log in to the relevant account and password before using it, as shown in Figure 5-1-1 below.



5-1-1

1) Current APP version number: android v1.1.2

2)  Enter the login account: mks

3)  Enter the account password: mks123

Note: All battery accounts and passwords are the same as above, do not register accounts and passwords by yourself

4)  Click the login button;

(1) After logging in successfully, you will be redirected to the Bluetooth list page, as shown in Figure 5-2-1 below.


(2) If the login fails, "Failed" will be reminded.


6.2. Bluetooth List

Bluetooth list: Before use, you need to turn on the Bluetooth permission and location permission, and **keep the battery power on** to search for the surrounding Bluetooth information, otherwise the Bluetooth information cannot be searched; As shown in Figure 5-2-1 below



5-2-1

- 1)  Refresh the Bluetooth list;

- 2)  Bluetooth name and MAC address;

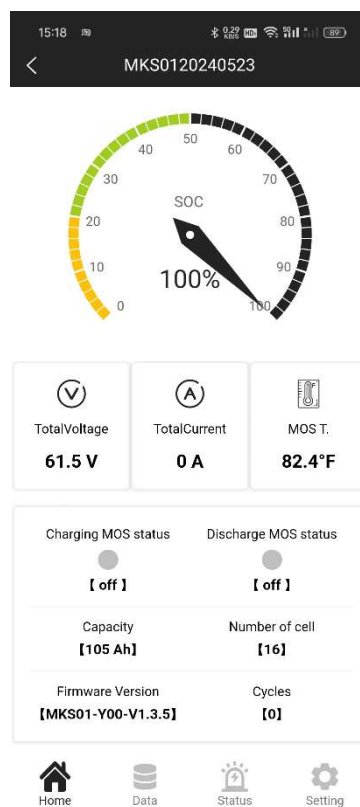
Note: The information of Bluetooth name and MAC address should correspond to the number on the battery;

- 3)  Bluetooth signal;

- 4) Manually click "MKS20240108123" Bluetooth device to connect automatically;
(1) Successful connection: Redirect to the main page, as shown in Figure 5-3-1 below.
(2) Connection failure: The reminder fails and stops on the current page.

6.3. Home Page

Homepage: This page is mainly used to check BMS basic data, as shown in Figure 5-3-1 below.



5-3-1



- 1) Load data; Will disappears this signal when loading is complete







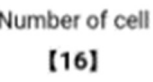
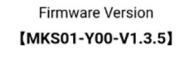
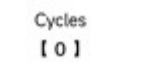
- 2) Display SOC;



- 3) Display voltage;

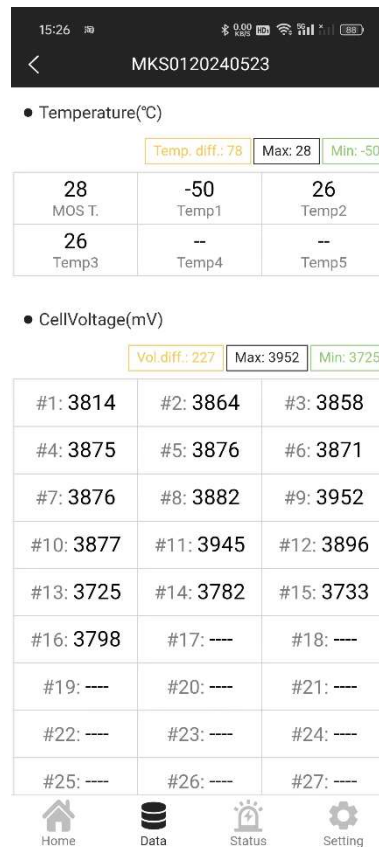


- 4) Display current;

- 5)  Display MOS tube temperature (Fahrenheit Celsius);
- 6)  Whether the charging state is on or not;
- 7)  Whether the discharge state is on or not;
- 8)  Display capacity;
- 9)  Display the number of strings
- 10)  Display firmware version number;
- 11)  Display the number of cycles.

6.4. Data Page

Data page: mainly shows the cell voltage and temperature; For details, see Figure 5-4-1 below.



5-4-1

1) Temperature(°C) Temperature

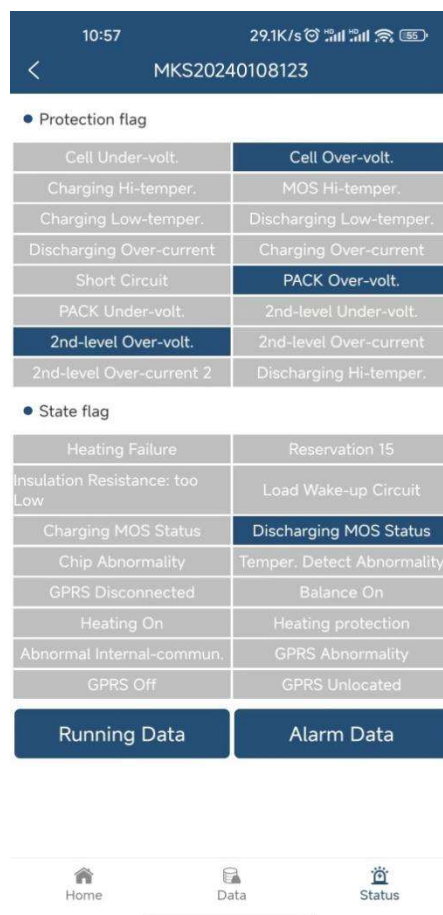
- ① Display the maximum temperature;
- ② Display the minimum temperature;
- ③ Display MOS temperature;
- ④ "--" has no temperature information in the current state;

2) Voltage: CellVoltage(mV)

- ① #1: serial number, and so on;
- ② Display the differential pressure;
- ③ Maximum voltage;
- ④ Minimum voltage.

6.5. Status Page

Alarm page: It is mainly divided into two parts, one is the display of data flags, and the other is the entry to view battery running data and alarm data, as shown in Figure 5-5-1 below.



5-5-1

1) Gray: indicates normal state;

2) Dark: indicates an abnormal state

(note: in the State flag, after the weak current switch is closed, the Charging MOS Status and Discharging MOS status are displayed in dark color (indicating that the charging and discharging MOS are turned on is in a normal state);

3) Click and enter the password: Get Running Data Button

4) Click and enter the password: Get Alarm Data Button.




6.6. Operation/Alarm Data Page

The Operation/Alarm data page is shown in Figure 5-6-1 below



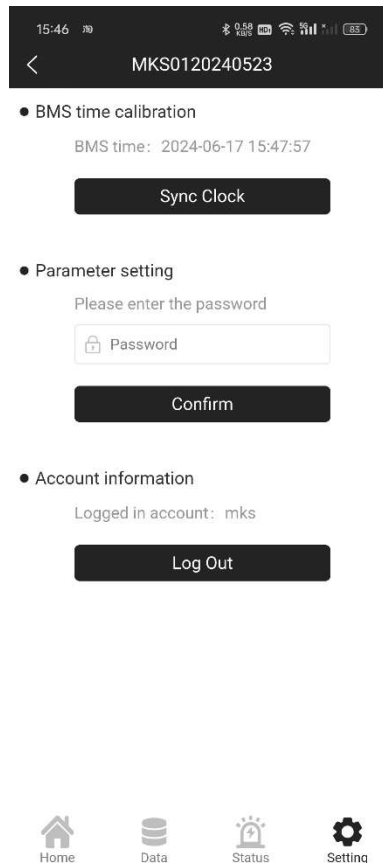
Index	Time	ChargeFlag	Protect
1	2022-1-2 9:39:11	Wake	[16456·
2	2022-1-2 8:58:58	Sleep	[16456·
3	2022-1-2 8:11:26	Wake	[16456·
4	2022-1-2 8:8:17	Sleep	[16456·
5	2022-1-2 8:6:7	Wake	[16456·
6	2022-1-2 7:56:29	Sleep	[16456·
7	2022-1-2 7:56:17	Wake	[16456·
8	2022-1-2 7:54:36	Sleep	[16456·
9	2022-1-2 4:42:45	Wake	[16456·
10	2022-1-2 2:39:10	Sleep	[16456·

5-6-1

- 1)  Export to Excel for saving;
- 2)  Left and right pagination toggle buttons;
- 3)  Current Pages/Total Pages.

6.7. BMS time calibration/parameter setting/account name page

BMS time calibration, as shown in Figure 5-7-1 below:

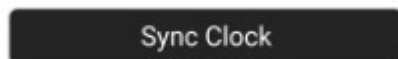


5-7-1

BMS time: 2024-06-17 15:47:57

1)

BMS time, which is the time in the program of the protection board



2)

Synchronization time, note: This time is the time of the mobile phone currently connected to Bluetooth, click to confirm the synchronization time, the mobile phone time will be imported into the BMS, and the BMS time will be displayed as the latest set time

• Parameter setting

Please enter the password

3)

Parameter settings, login password

• Account information

Logged in account: mks

4)

Account information, you have logged in to the account "mks".



- 5) Log out, confirm to exit the App, then next time entering the app, you will need to re-enter your account and password; If you are unsure about logging out, you do not need to enter your account and password again the next time you enter the Bluetooth app.