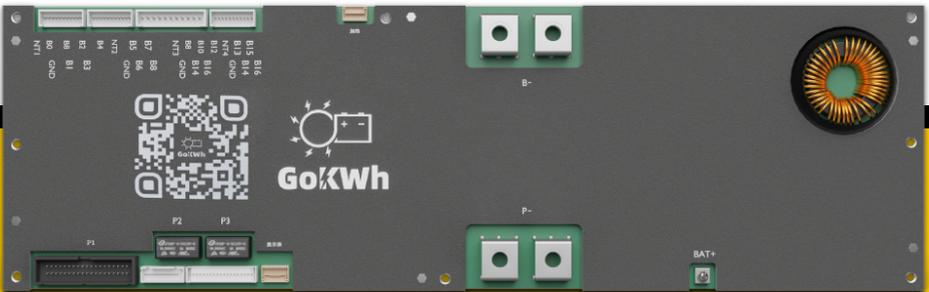


GoKWh

GoKWh App User Manual



Bluetooth & APP

The BMS is equipped with Bluetooth function, which allows users to monitor the battery status in real time through the mobile phone app.

- Support Chinese and English switching
- Display basic data of the battery
- Setting equalization pressure difference parameters
- Support single and parallel operation

Bluetooth App Download

Open the phone camera and scan the image below or the QR code on BMS. After scanning the code, you will be redirected to a new page, select the app store of the corresponding system on your phone and download it.



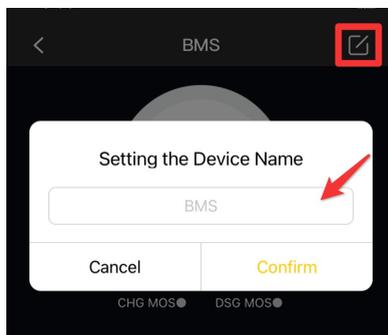
GoKWh App Guide

Pair and connect the App to the battery

Before connecting the device, please ensure that your phone's Bluetooth is turned on.

- Open the App after downloading
- The App will automatically search for nearby connectable batteries and click on the name of the device that needs to be connected.
- After successful matching, the app will automatically jump to the page showing the battery data.

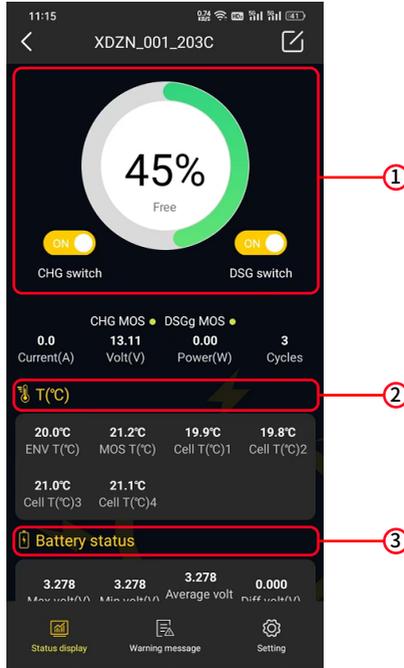
Modify battery' s name



Click the icon in the upper right corner of the "Status Display" page to name your battery.

Status Viewing and data description

Battery real-time status display:



The real-time status page is divided into 3 areas:

- ① Battery basic data
- ② Temperature area
- ③ Battery status area

① Battery basic data

The parameters are explained as follows:

A.Capacity: In static mode, only the battery SOC and the percentage of remaining capacity are displayed: Estimated battery capacity is displayed when charging: Estimated battery capacity is displayed when discharging.

B.CHG Switch & CHG MOS: Indicates the current switch status of the BMS charging MOS.

- When it displays "On", it means that the current protection board charging MOS is turned on and the battery is allowed to charge.
- When it displays "Off", it means that the current protection board charging MOS is turned off and the battery is not allowed to charge.
- When the battery is charging, the indicator light behind CHG MOS lights up.

C.DSG Switch & DSG MOS: Indicates the current switch status of the BMS discharge MOS.

- When it displays "on", it means that the BMS discharge MOS is on and the battery is allowed to discharge;
- When it displays "off", it means that the BMS discharge MOS is off and the battery is not allowed to discharge.
- When the battery is discharging, the indicator light behind DSG MOS lights up

D.Current: Displays the total current of the battery in real time.

E.Voltage: Displays the total voltage of the current battery. The total voltage is the sum of all single cell voltages.

F.Power: Indicates the total power currently output or input by the battery. Its value is the product of the current battery voltage and the absolute value of the battery current.

G.Cycle times: The number of cycles indicates the number of times the battery is fully charged, in units of: times.

② Temperature area

A.ENC T(°C) :Real-time display of the external NIC temperature, unit: °C.

B.MOS T (°C) :Real-time display of the current temperature of the BMS power MOS, unit: °C.

C.Cell T(°C) 1-4: If the temperature sensor is installed, the temperature of the temperature sensor 1-4 is displayed in real time in °C.

③ Battery status area

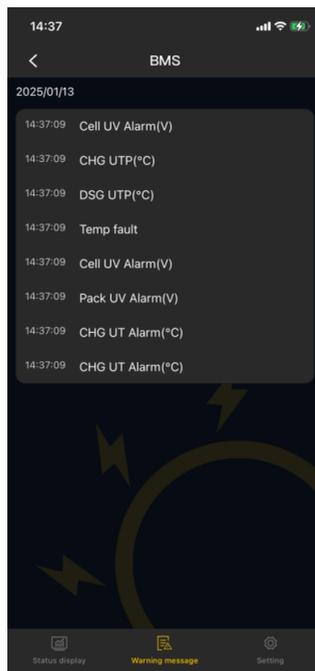
A.Max Volt(V): Indicates the highest voltage of the single cell in the current battery pack, unit: V.

B.Min Volt(V): Indicates the lowest voltage of the single cell in the current battery pack, unit: V.

C.Average Volt(V): Indicates the current average voltage of the battery cells, unit: V.

D.Diff Volt(V): Indicates the difference between the highest cell voltage and the lowest cell voltage of the entire battery pack currently, unit: V.

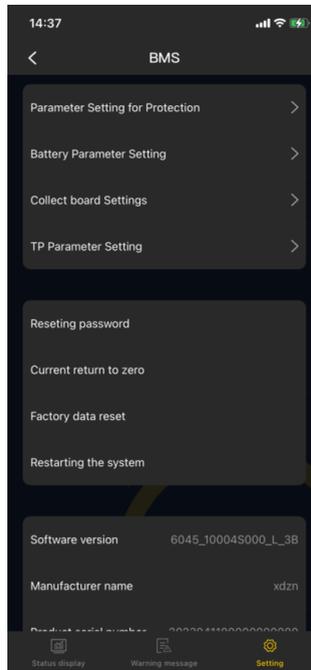
Warning Message



The built-in BMS of the battery will perform real-time detection on the battery pack, and when an alarm or fault occurs, an alarm will be issued in real time.

In the alarm area, you can see the cause of the fault, the time when the fault occurred, and other information.

Setting



If you need to modify the working parameters of the BMS, you must first click the "Modify PWD." button and enter the parameter setting password to verify the parameter setting authority.

*If you need to modify the working parameters of the BMS, you must first click the "Authorization Settings" button and enter the parameter setting password to verify the parameter setting permission.

*The parameter setting password and modification permissions are not open to the public. If necessary, please consult your customer service staff, who will provide an accurate modification plan based on your actual usage.

*Incorrectly setting parameters may cause battery damage, burnout, etc. Please modify it with caution.

In the settings, you can make the following settings or operations on the battery pack:

A.Parameter Setting for Protection: The values for protecting cells and battery can be modified in this area.

- Cell OVP(V)
- Cell OVP Release(V)
- Cell OVP Delay Time(s)
- Cell UVP(V)
- Cell UVP Release(V)
- Cell UVP Delay Time(s)
- Pack OVP(V)
- Pack OVP Release(V)
- Pack OVP Delay Time(s)
- Pack UVP(V)
- Pack UVP Release(V)
- Pack UVP Delay Time(s)
- Diff volt protect:
- CHG OCP(A)
- CHG OCP Delay Time(s)
- DSG OCP(A)1
- DGS OCP Delay Time(s)1
- DSG OCP(A)2
- DGS OCP Delay Time(s)2

B.Battery Parameter Setting: Battery pack parameters can be viewed and modified in this area

- Type of battery
- Nominal capacity
- Rated capacity
- Cell reference volt
- BL Threshold(V)
- BL cell(V)
- Sleep waiting time
- Calibration CHG current

C.Collect Board Setting: The parameters of the collect board can be modified in this area

- Set the num of collecting boards
- Set the read add of the collecting board
- Collecting board 1 Address

D.TP Parameter Setting: The temperature range of charging, discharging and mos can be modified in this area.

- CHG OTP(°C)
- CHG OTP release(°C)
- CHG UTP(°C)
- CHG UTP release(°C)
- DSG OTP(°C)
- DSG OTP release(°C)
- DSG UTP(°C)
- DSG UTP release(°C)
- MOS OTP(°C)
- MOS OTP release(°C)

E.Resetting Password

F.Current Return to Zero

G.Factory Data Reset

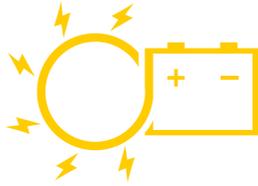
H.Restaring the System

I.Restarting the system

J.Softwawe version

K.Manufacturer name

L.Product serial number



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