Green Marine Lithium Battery Guide

The Green Marine Lithium battery chemistry is lithium iron phosphate (LifePO4 or LFP) the safest and most stable of any commonly used lithium battery.
All Green Marine Lithium Batteries come with Battery Management Systems (BMS).

BMS
The BMS protects lithium battery cells against over-charge, under-charge, low and high temperatures surges and short circuiting. The BMS also provides integrated cell balancing, temperature and voltage control system. The BMS will turn off loads or charges accordingly to any breach in the preset parameters within the BMS. All Green Marine Lithium battery has Bluetooth connectivity to allow customers to monitor and control the battery performance and to ensure the battery has the stated capacity.

Always keep any lithium battery fully charged when not in use. Ensure lithium batteries are continually topped up whilst in storage and check weekly via the Bluetooth app as all BMS's consume power when in storage. Fully charge batteries after use and check weekly or leave charger connected and switched on. Ensure the correct voltage charger is always used.

Android: download the smart BMS APP in the Android Application Center https://play.google.com/store/apps/details?id=com.inuker.bluetooth.daliy&hl=zh

iPhone: Search for SMART BMS in App Store. Click this link to jump directly to download https://apps.apple.com/cn/app/smart-bms/id1519968339

Other devices can be installed directly by clicking the link below https://www.dalyelec.cn/daly/SMART_BMS.apk

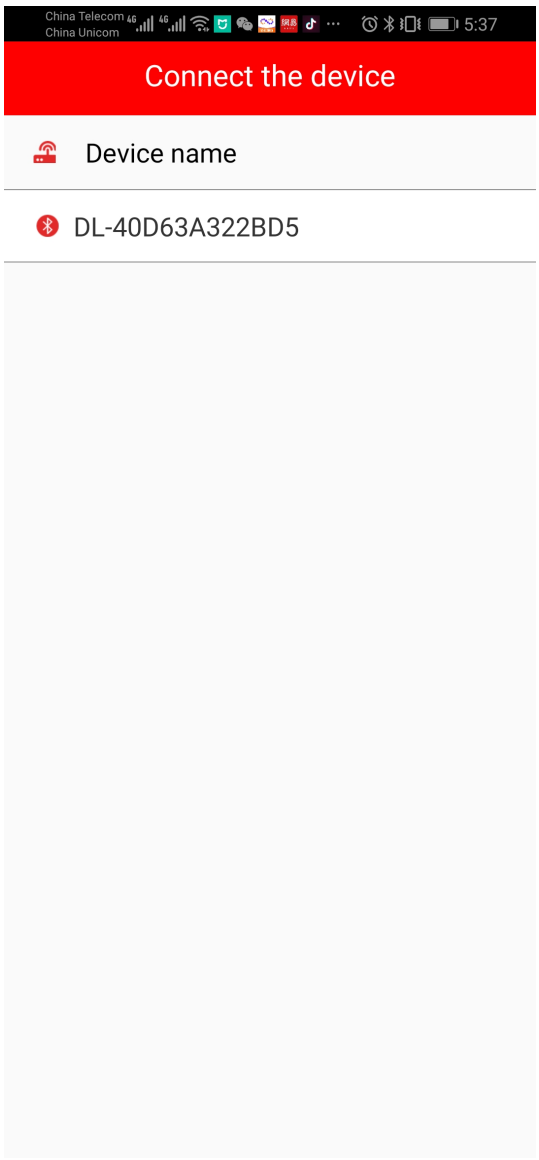
IMPORTANT: ALWAYS KEEP BATTERIES CHARGED WHEN NOT IN USE.

After downloading and installing, the following smart BMS icon will appear on the device:

ANDROID

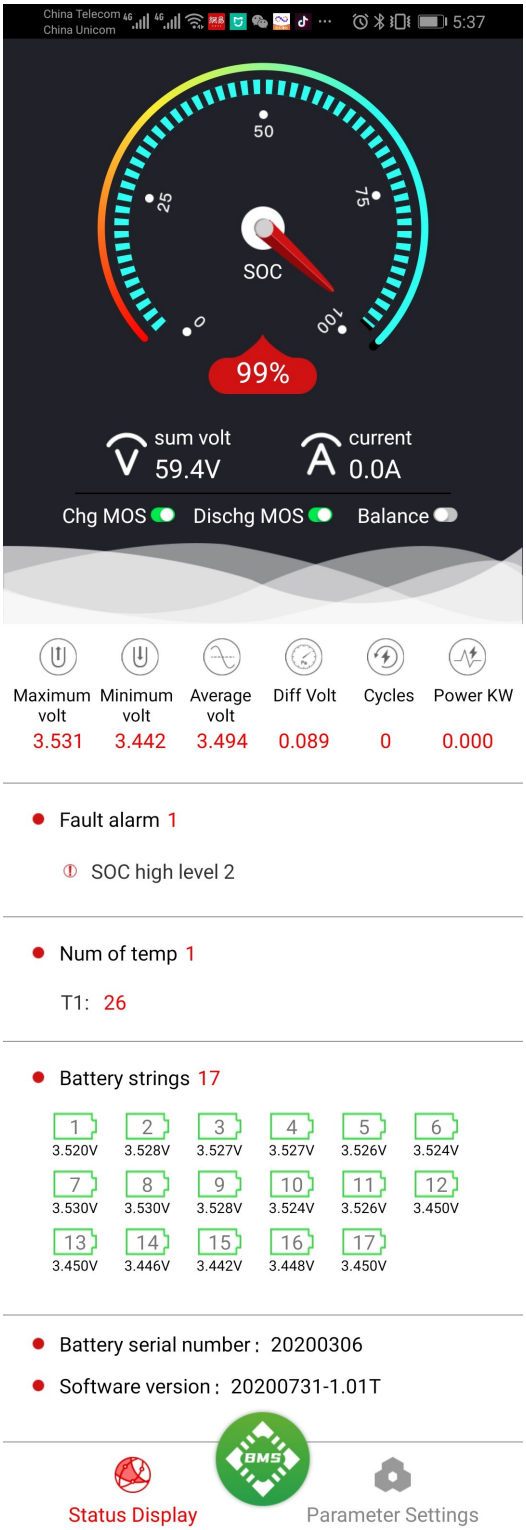
APPLE IOS

Click to enter the APP and select the corresponding Bluetooth.
The first time it needs to be charged and activated.



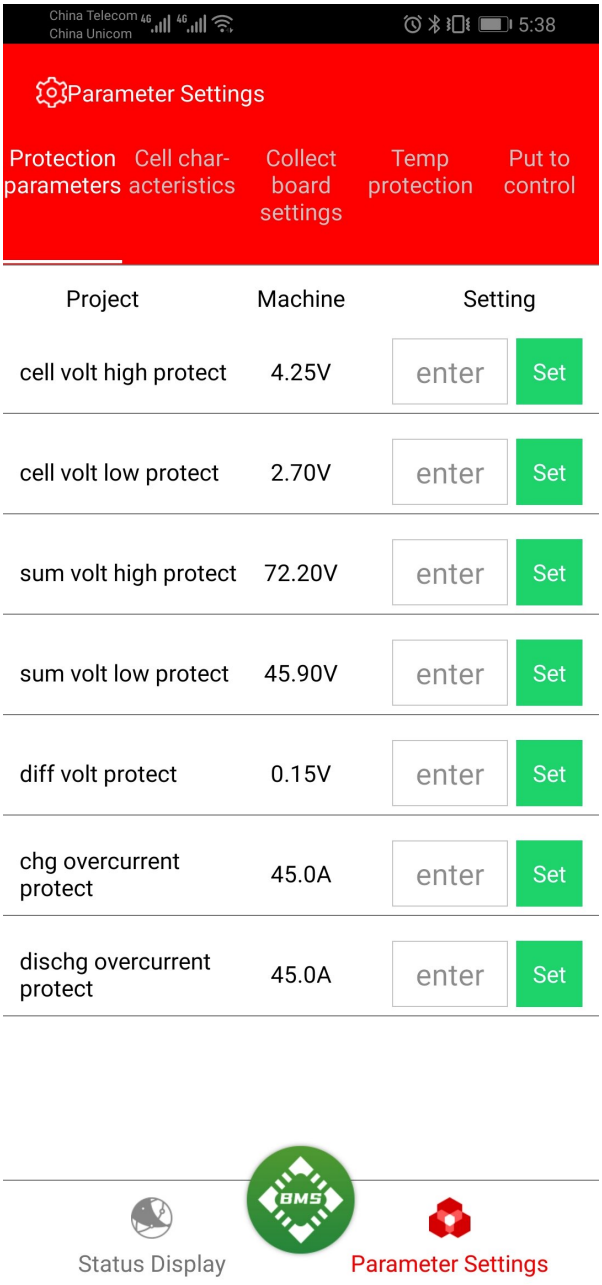
Click the Bluetooth serial number to enter the real-time status interface.
View; real-time voltage, current, the percentage of battery capacity remaining SOC %, the MOS state of charging and discharging, whether the balance is on, etc.

This is now operational and no further setting changing are required.

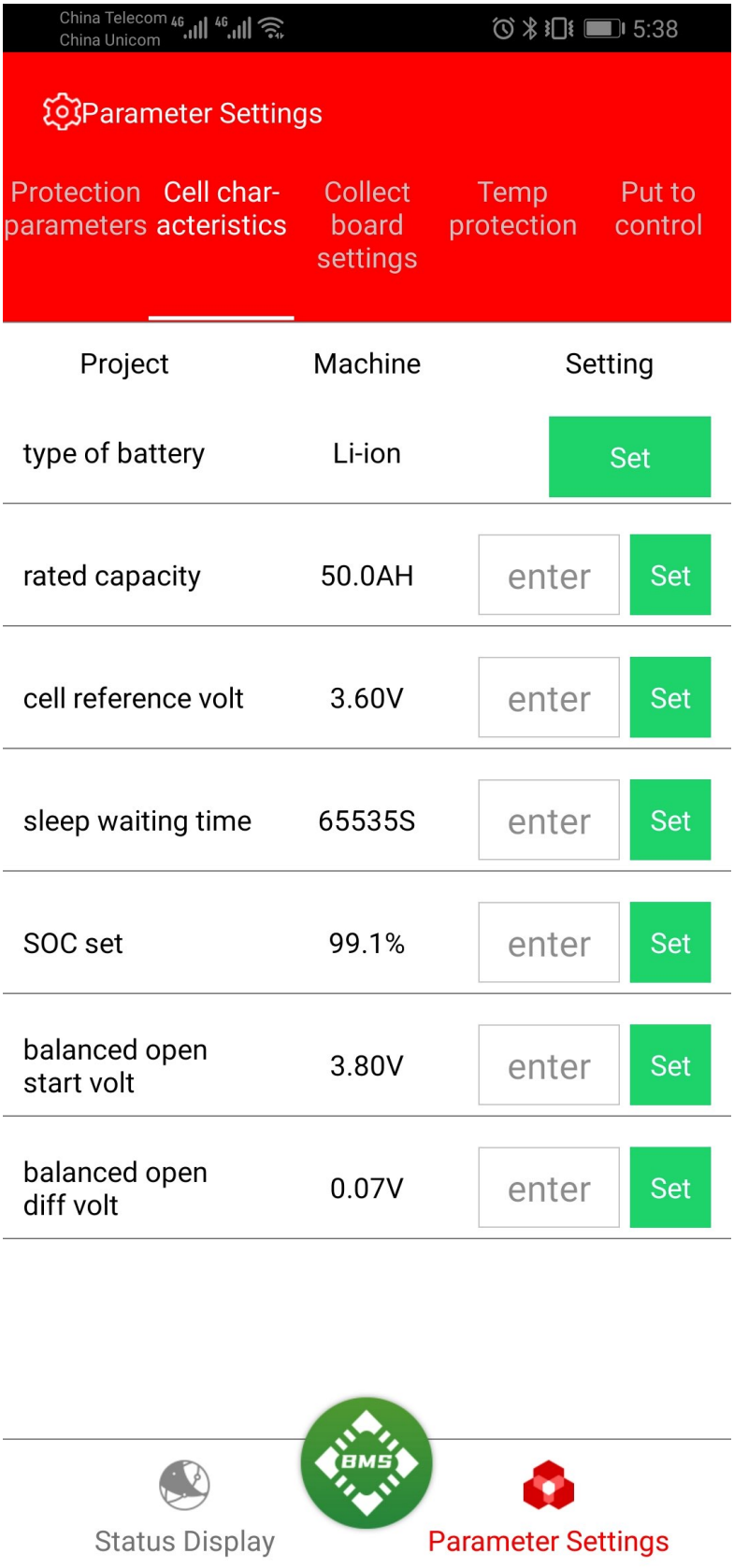


Parameter settings interface:
①Protection parameters
②Battery core characteristics
③Collection board settings
④Temperature protection
⑤Charge and discharge control
Note: To ensure the stability of the data, it is not recommended to adjust these parameters or preset settings.

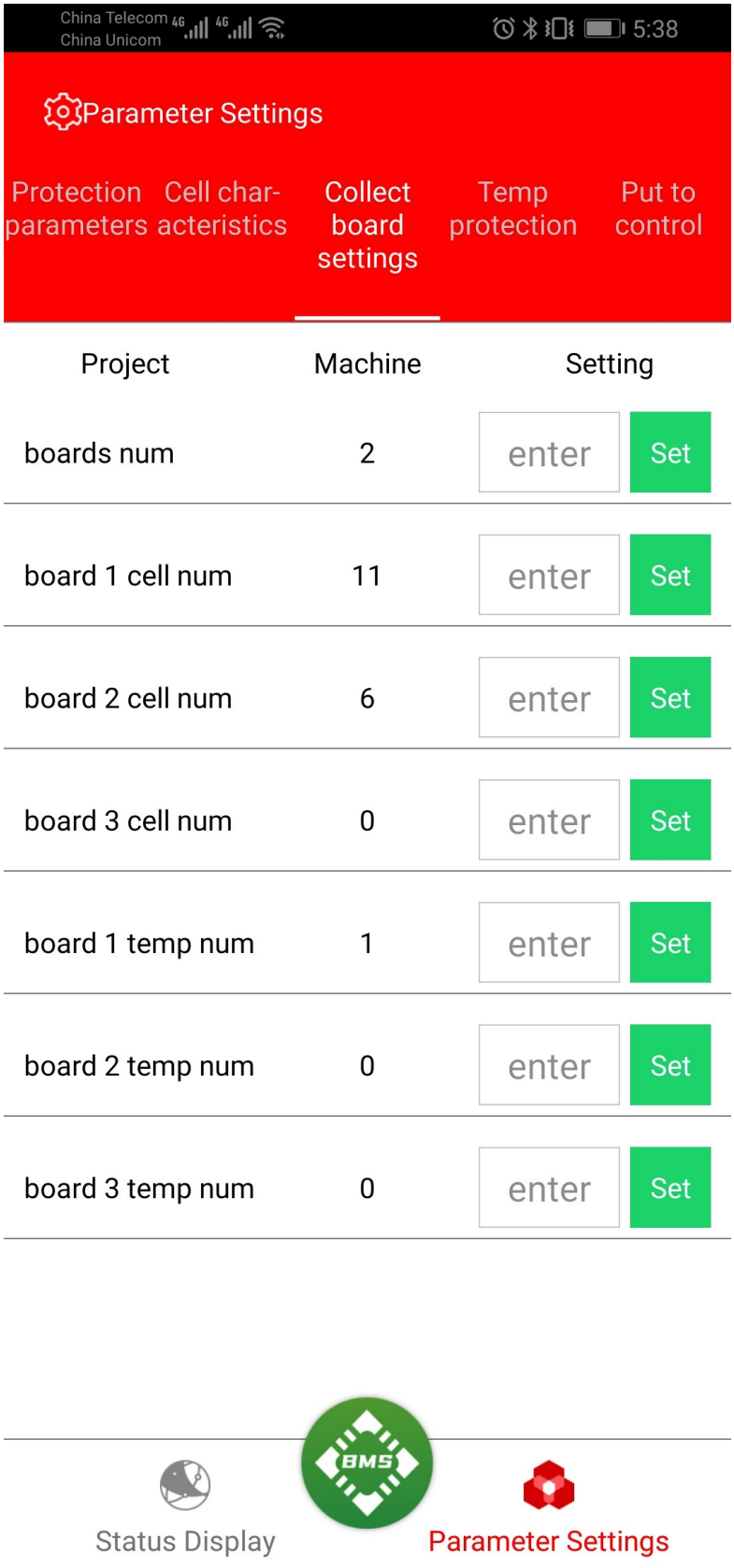
①In the protection parameter interface, the protection values of voltage and current can be set.



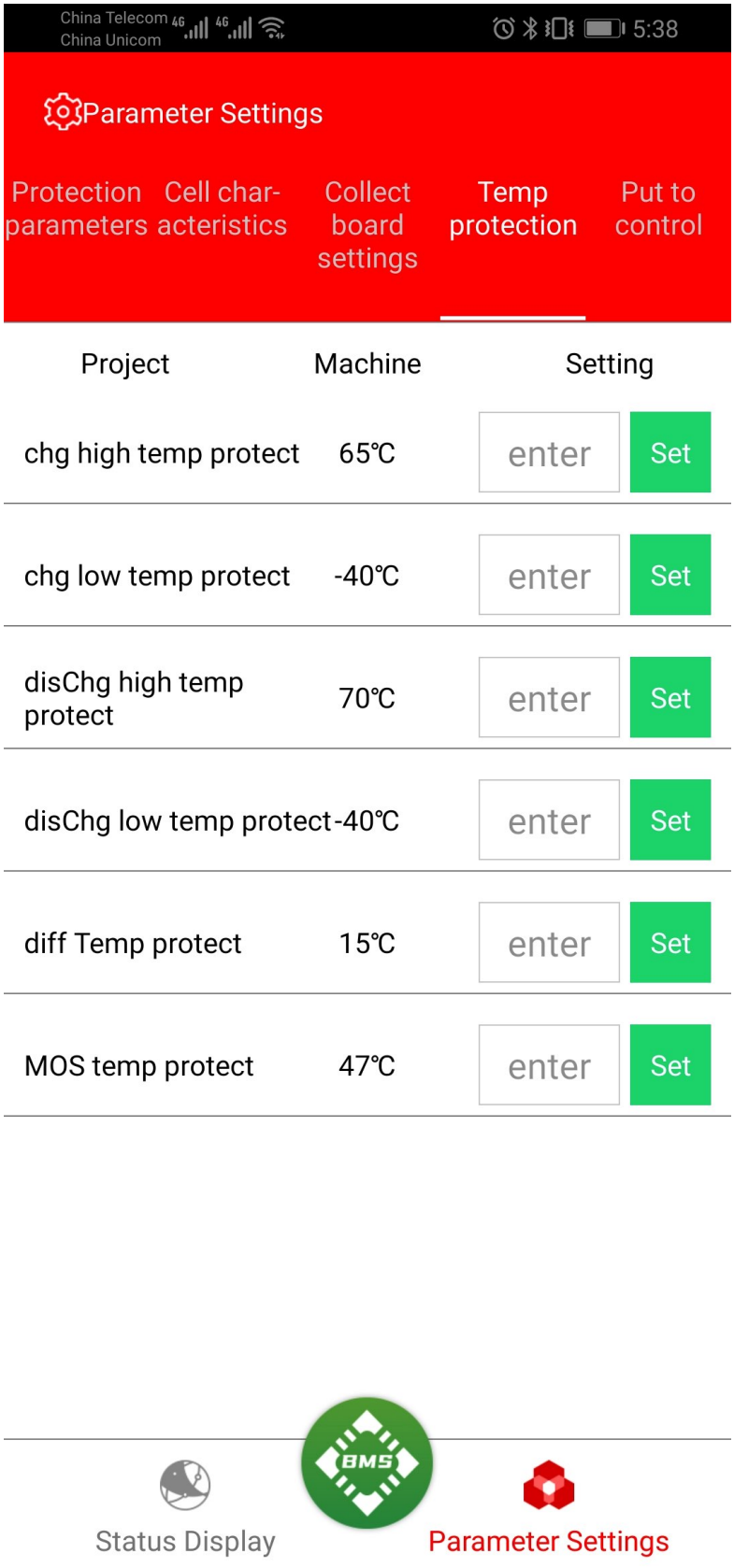
②In the battery cell characteristics, you can set the total capacity of the battery, the remaining capacity, and the balanced opening conditions.



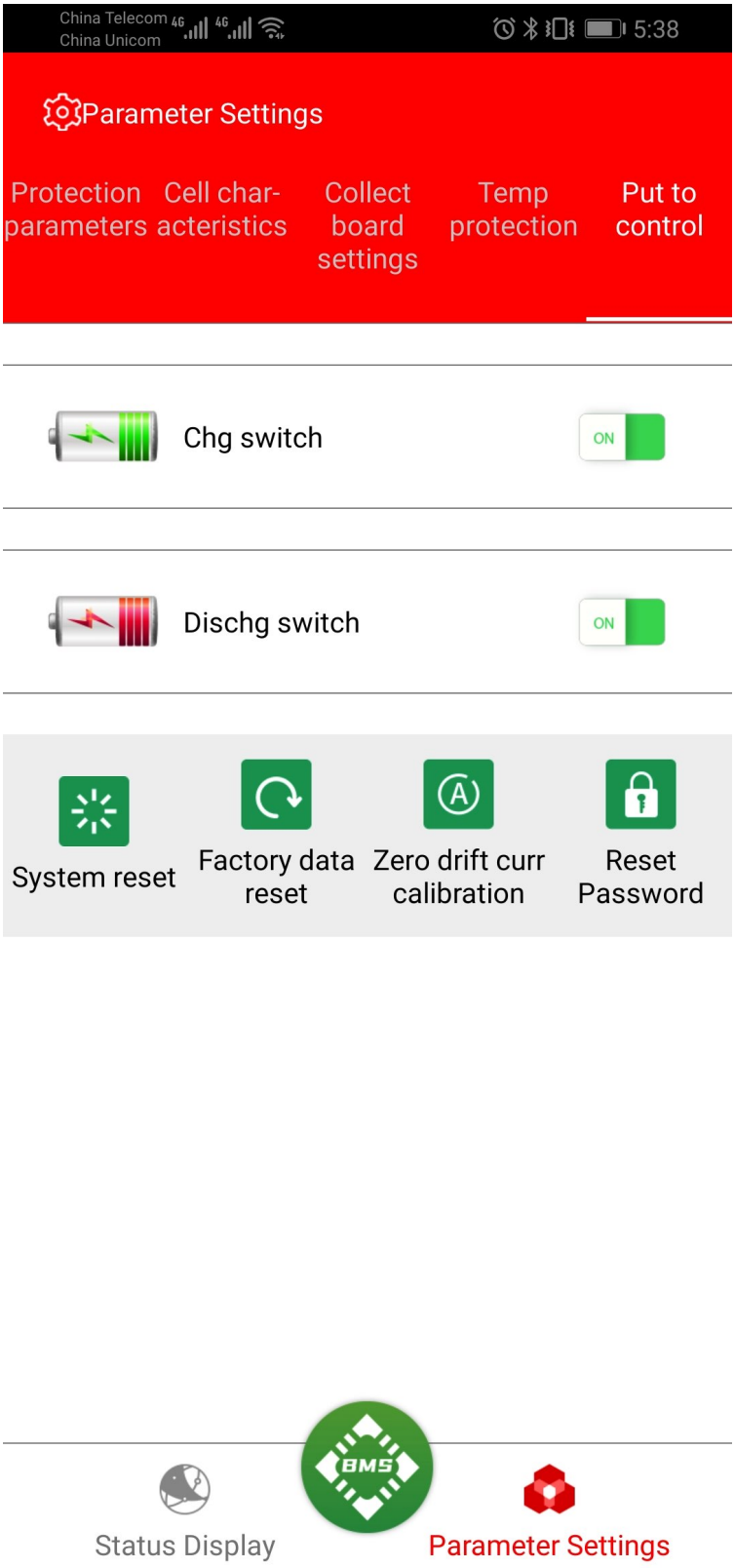
③ In the collection board setting interface, it needs to be set together with the hardware device. It is not recommended to adjust this setting.



④ In the temperature protection setting, the protection temperature of charge and discharge can be set. It is not recommended to adjust this setting.



⑤On the charge and discharge control interface, you can switch the charge and discharge MOS tube, and you can reset the password.



The introduction to the simple tutorial of using the mobile phone APP to connect to the Lithium BMS is complete.

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