

# Battery care for SOK 12V LiFePO4 Heated Bluetooth Battery

*\*For 2021/2022 models. This guide prepared by Solar Super Store Nov, 2022*

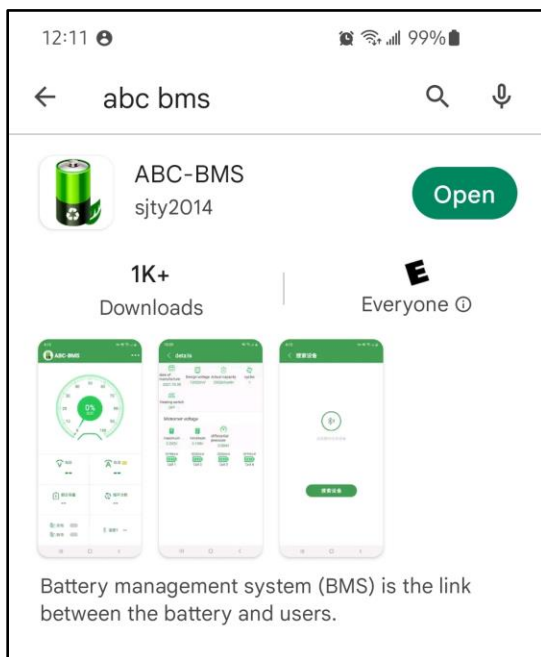
Your new SOK battery should have a State of Charge (SOC) less than 30% for safe shipping.

If the battery is in a low state of charge it will need to be fully charged to 14.6V before using.

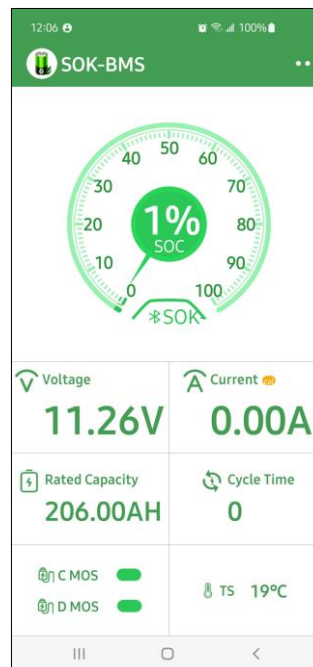
New batteries must be fully cycled 2 to 3 times in order to properly calibrate the BMS. A full cycle is charging to near 100% SOC then discharging completely (connect a load and run until battery shuts down or is near 11 volts).

Sometimes when battery is connected to an inverter, the start up load might trip the BMS internal discharge current protection and will require resetting using the Bluetooth app.

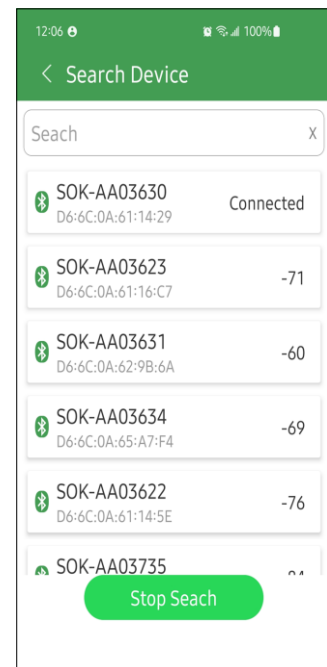
1. Download and install the SOK **ABC-BMS** app on Apple store or Google Play (android)



Download on the app store  
Select your battery

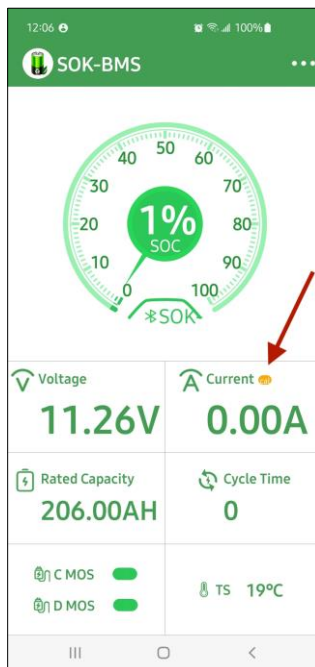


ABC-BMS main screen

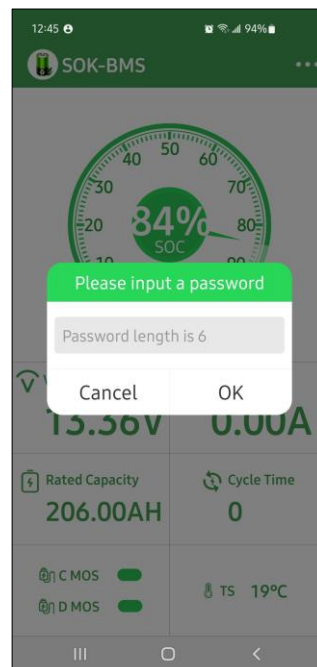


2. Install the app on your smartphone and turn on your Bluetooth.
3. Open ABC-BMS and click on the “...” symbol on the top right of the screen > go to “Search Device” > click on the battery with your serial number (SOK-AA\_\_\_\_\_). It should be connected.
4. Return to main menu. If main State of Charge (SOC) dial is < 20% then you will need to recharge the battery.
5. If the battery shows zero voltage, then the internal protection may have shut off power. This is the battery's “D MOS” setting on the bottom left on the main screen. The slider

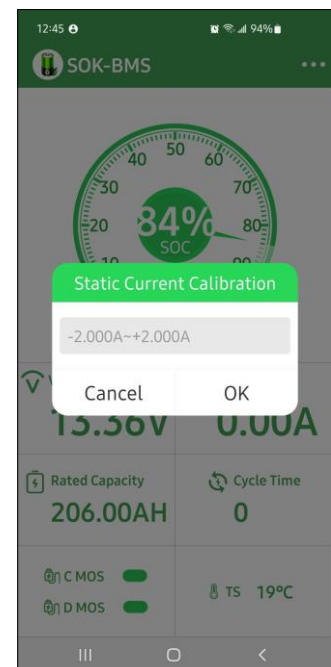
will be orange. If so, then to reset (and turn “off” the protection circuit), click on the tiny orange (cal) button next to the Current setting. This will open a window asking to input a password.



Step 5.



Step 6.



Step 7

6. The password is: 2000010.

7. Next it will ask for Static Current Calibration. Input “0” then hit cancel if prompted (it may ask for Dynamic Current, if so, enter “0”)

Now the D-MOS mini slider should be green, and the battery protection will be turned off and the battery is ready to charge and/or use.

### Special Notes \*\*\*

- Long term Storage, it is best to be stored at partial state of charge, please discharge to 75% and put away over the winter, you will lose 1 to 2% per month.
- The Bluetooth feature will slowly drain the battery over time when in storage.
- SOK Batteries with heaters made prior to Mid 2022 can NOT be connected in series! Parallel connection is fine at 12 volts on models before mid 2022.
- If Battery BMS completely shutdown, a special charger with power supply will need to be used to jumpstart and charge battery when there is no Voltage reference for regular charger to work. See our website for the Optimate battery charger needed 😊

Helpful link on SOK USA website. Good info on charging and other settings

SOK forum (USA)

[www.us.sokbattery.com/forum](http://www.us.sokbattery.com/forum)