

Phone APP Instruction of 4A Active Balancer

1、APP Installation

Please go to TOPBMS official website :www.cleverbms.com to download the APP ; please do it according to the following instruction

User Manual

Home > User Manual

4A Active Balancer With Bluetooth

4A Active Balancer with Bluetooth



User Manual of Smart LTO BMS 5S-16S 200A-

User Manual(Chinese Version +English Verison) of BMS 4S-96S+Points for Attentions



User Manual of Charger with 485 Communication

TOPBMS Charger with RS485 Communication



2、Preparation and inspection of 4A Balancer before use

Before powering on the equalizing board, check whether the equalizing cable is properly connected and whether the battery cable is correctly connected to the battery. Use a multimeter to check whether the voltage of each string is normal and whether it is securely welded. Before powering on the equalizing board, ensure that no error is found. In order to avoid unnecessary trouble, it is strongly recommended to insert the low-string cable first and then the high-string cable. Otherwise, it may cause serious consequences such as abnormal operation or even burning.

Once again, when installing the APP, you must allow the app to get the permission of your location information. You must allow the APP to access the location information during the use, otherwise the Balancer cannot be scanned and identified .

If the above operations are successfully done, please uninstall the app and reinstall it

3. STEPS

① 安装好 APP，点左上角二级菜单（**无需**在蓝牙界面搜索机器，**无需输入配对密码**。）；

After installing the APP, click the second-level menu in the upper left corner (no need to directly search the device in the APP , no need to enter the match code). ;

② 点击扫描，会显示出所购买设备的蓝牙名称“GW-24S4EB”；

Click scan, the bluetooth name of the purchased device "GW-24S4EB" will be displayed.

③ 点击“**GW-24S4EB**”设备，即可进入主界面；

Click "GW-24S4EB" to enter the main interface;

④ 设备状态，显示当前设备的工况，如果有错误信息根据错误信息提示操作；

Device status: Showing the current working condition of the device, if there is an error message ; Take prompt operation according to the error message

⑤ 设备主要数据显示栏；

Main data display bar

⑥ 电池串数，电池类型，电池电压显示栏；

Battery series number, battery type, battery voltage display bar

⑦ 填入电池实际的串数；

Fill in the actual battery series number;

⑧ 电池最大压差触发均衡电压值；

Battery maximum voltage difference starting equalization voltage value;

⑨ 最大均衡（1~4A）电流值；

Maximum balancing(1~4A) current value;

⑩ 停止均衡电压，当检测到预设值以下并且持续 2 分钟，即进入停止均衡状态；

Stop balancing voltage. When the voltage is detected less than the set value and lasts for 2 minutes, it will stop balancing

⑪ 开启均衡电压，当检测到预设值以上并且持续 2 分钟，即进入开启均衡状态；

Start the equalization voltage. When the voltage is detected more than the set value and lasts for 2 minutes, the equalization will be initiated

⑫ 填入当前电池标称容量，以便系统更好的去匹配末段小电流均衡；

Fill in the current nominal battery capacity, so that the system can better match the end of the small current balance;

⑬ 选中当前使用的电池类型，如果 ⑧ ⑨ ⑩ ⑪ 参数被调乱，可以通过设置电池类型参数回复默认值。

Select the current battery type. If the parameter of ⑧ ⑨ ⑩ ⑪ is invalid, you can restore the battery type to the default value.

⑭ 设置均衡完成蜂鸣器响声模式

Set the balanced buzzer sound mode

⑮ 单体数量与实际数量检测结果

The actual number of batteries

⑯ 均衡线阻过大告警提示

Reminder of The higher resistance of balancing wires

⑰ 内部温度告警提示

temperature alarm of batteries pack

⑱ 系统信息二级菜单

System information of level 2 of the menu

⑲ 中英文语言切换选项

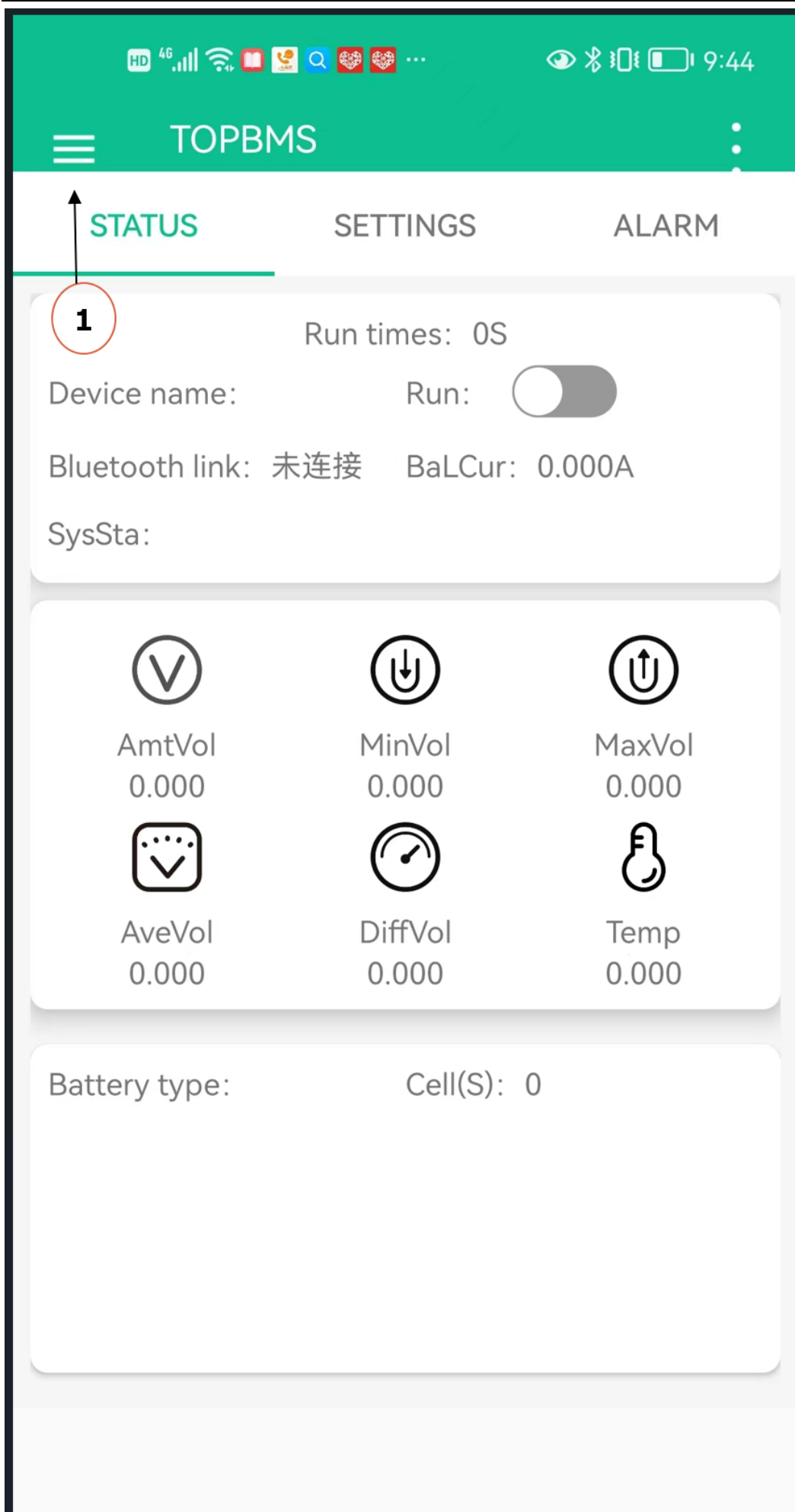
Chinese and English language switching options

⑩ 后台完全关闭 APP 重启才能切换系统语言

Only when the backstage is completely closed and the APP is restarted can the system language be switched

⑪ 产品的版本信息

Product version information





9:00 AM [notifications] [clock] [Bluetooth] [signal] [Wi-Fi] [68% battery]

TOPBMS

STATUS SETTINGS ALARM

Run times: 16M9S

Device name: GW-24S4EB Run:

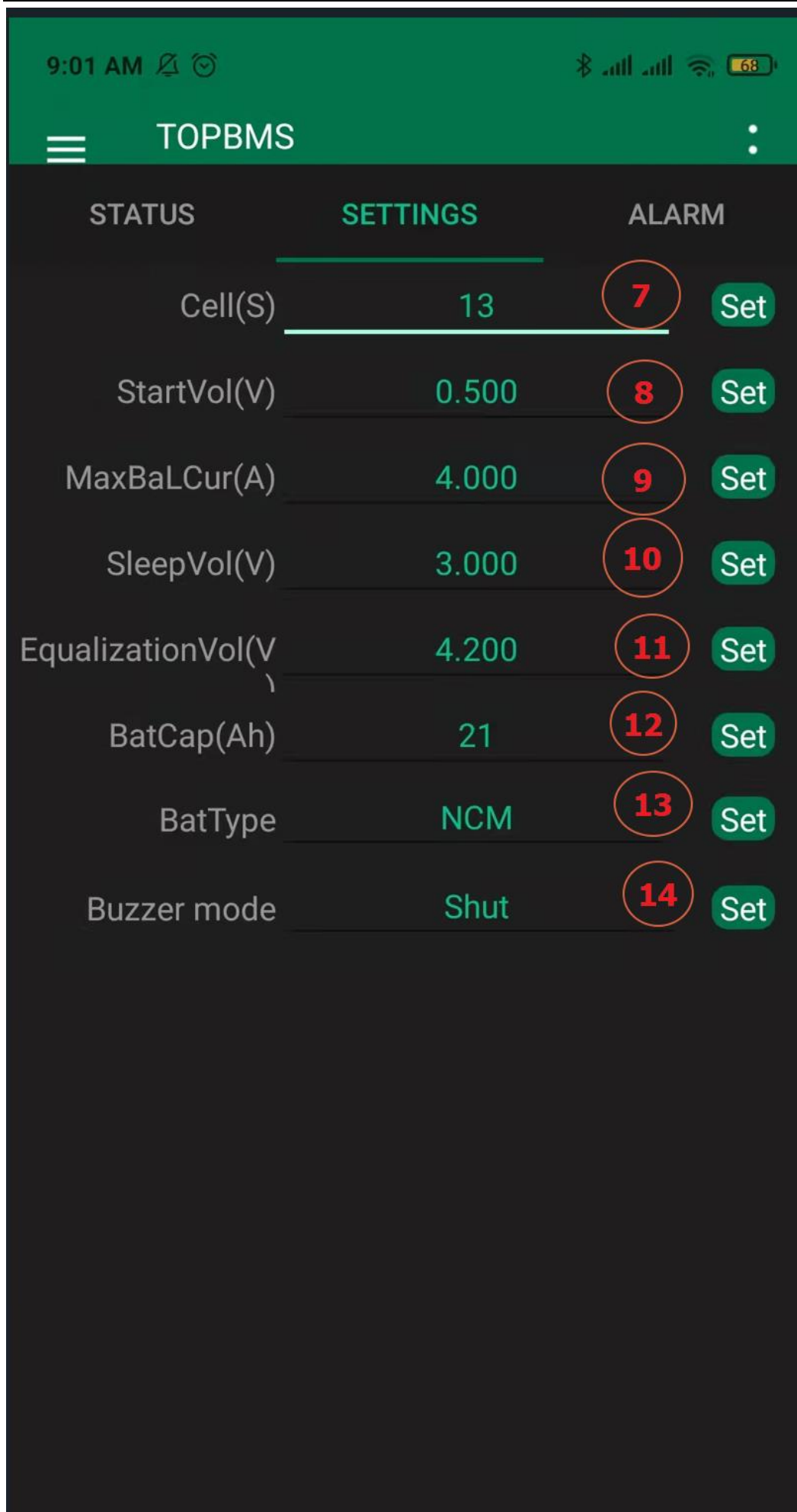
Bluetooth link: Connected BaLCur: 4.254A

SysSta: Equ Operation **4**

AmtVol 46.784	MinVol 3.052	MaxVol 3.891
AveVol 3.599	DiffVol 0.838	Temp 39.1 5

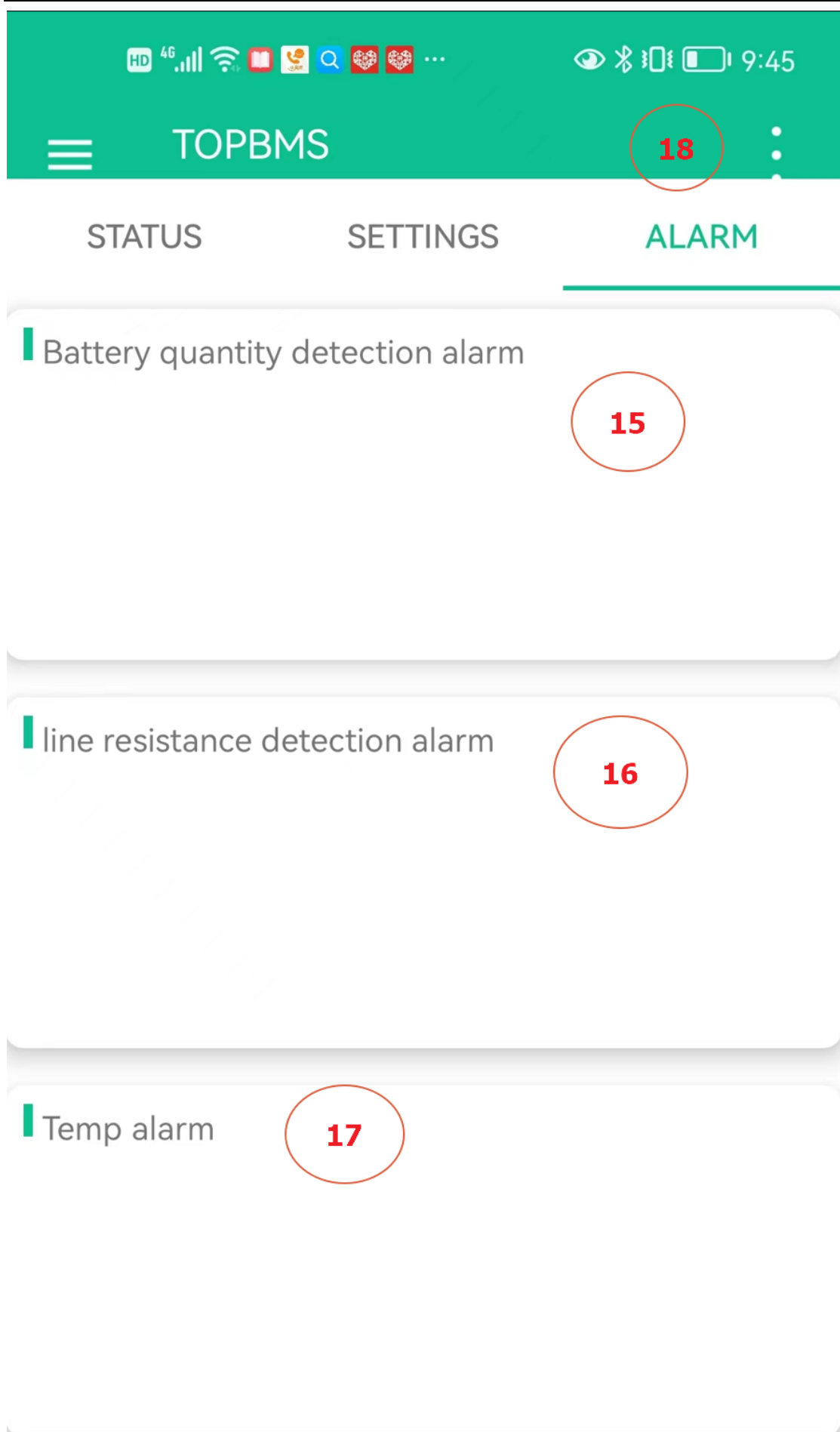
Battery type: NCM Cell(S): 13 **6**

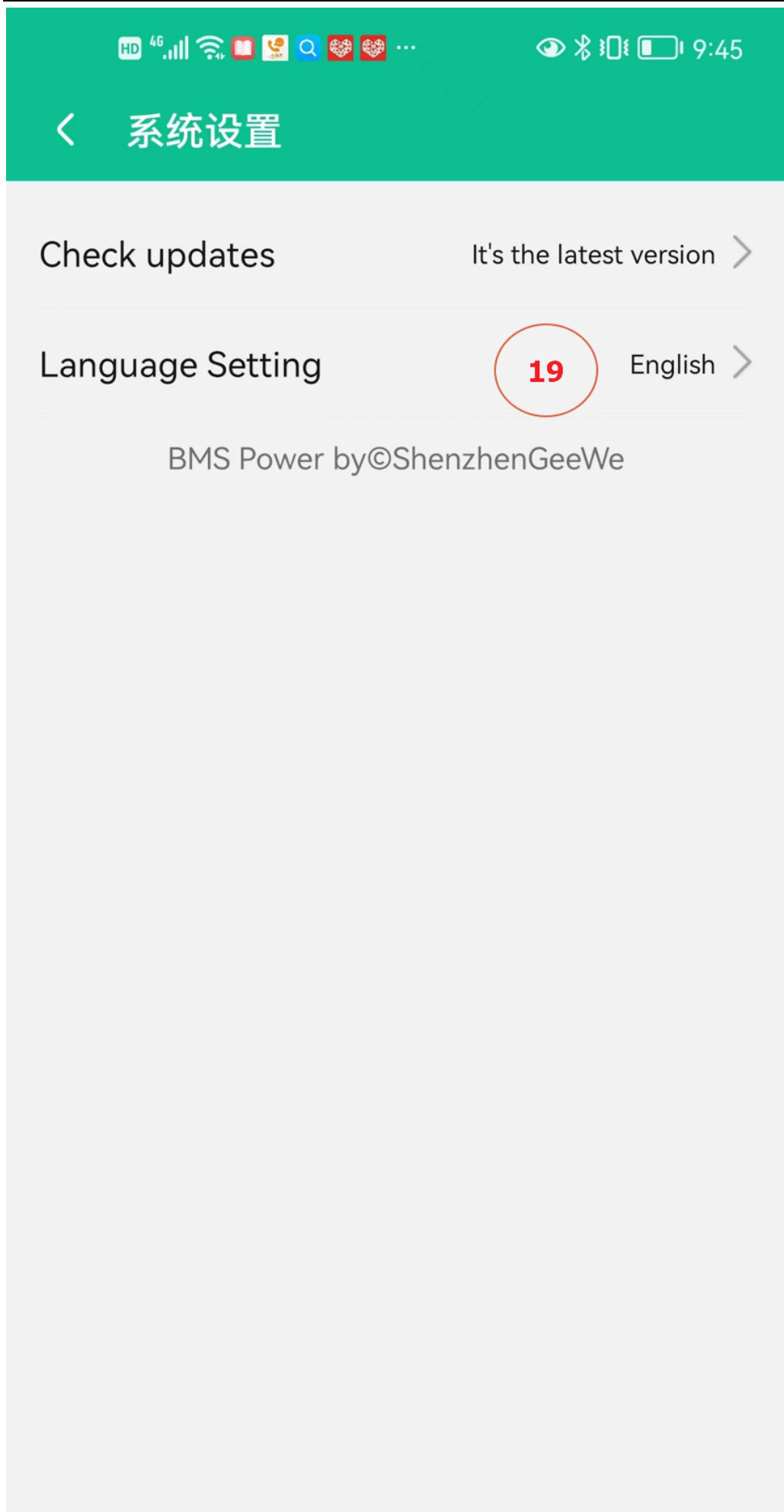
01 3.663V	02 3.660V
03 3.891V	04 3.765V
05 3.856V	06 3.052V
07 3.056V	08 3.717V
09 3.260V	10 3.657V
11 3.850V	12 3.618V



The screenshot shows the TOPBMS mobile application interface. At the top, the status bar displays the time as 9:01 AM, along with icons for notifications, a clock, Bluetooth, cellular signal, Wi-Fi, and a battery level of 68%. Below the status bar is a green header with a hamburger menu icon on the left, the text 'TOPBMS' in the center, and a vertical ellipsis icon on the right. The main content area is a dark grey table with three columns: 'STATUS', 'SETTINGS', and 'ALARM'. Each row represents a different setting, with a 'Set' button to the right of the 'ALARM' column. The 'ALARM' column contains red numbers circled in red, ranging from 7 to 14. The 'SETTINGS' column contains values for each parameter.

STATUS	SETTINGS	ALARM	
Cell(S)	13	7	Set
StartVol(V)	0.500	8	Set
MaxBaLCur(A)	4.000	9	Set
SleepVol(V)	3.000	10	Set
EqualizationVol(V)	4.200	11	Set
BatCap(Ah)	21	12	Set
BatType	NCM	13	Set
Buzzer mode	Shut	14	Set





< 系统设置

Check updates

It's the latest version >

Language Setting

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English >

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TOPBMS

Official website: www.cleverbms.com ; Wechat : +861784159153/Email: 66057580@qq.com
Aliexpress website: <https://www.aliexpress.com/store/4687150>
