



Technique Document

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Product Center



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1 Basic Info

This BlueTooth APP can be operated by both Android and IOS. It establish a BlueTooth connection between your smart phone and the battery, usages includes below: managing the battery pack, gathering the data and displaying them, conducting modifications on settings.

BlueTooth APP can achieve below functions:

- 1)Display the basic data of battery pack
- 2)Modifying the communication between BMS and inverter
- 3)Setting Alert Parameters and Switch on/off
- 4)Support Single and Parallel operation
- 5)Shift between Chinese and English

1.1 Fitting Range

This guide book fits below BMS:

- EMU1101 V14 (24V~48V)
- EMU1101 V15 (24V~48V)
- EMU1203 (24V~48V)

1.2 Target

This guide book is for every users of CNEnergy BMS.

2 Manipulating Guide

2.1 APK APP Download

Android	https://www.pgyer.com/1a8ce42e6c1a9f2d37dcaa6a790e40c2 Visit this netpage, scan the QR code
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QR code	 <p>Download the apk and install on cell phone</p>
Latest version	V1.0.26
ISO	Search 'EN BMS' in APP stores (notice the blank)
Search Interface	



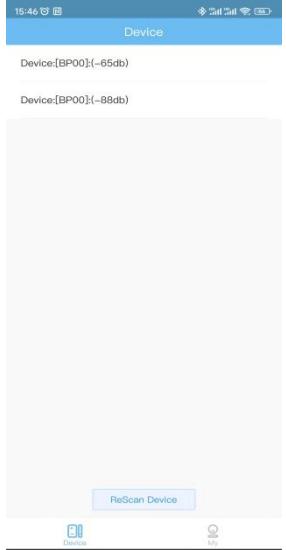
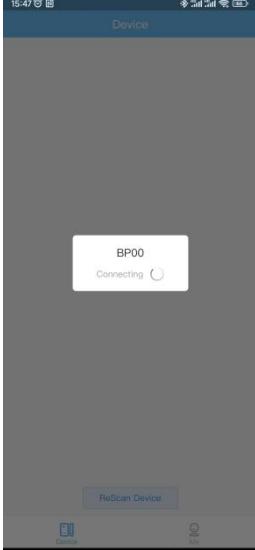
2.2 Loggin

Notice	<p>1、click the APP icon twice to start it. 2、log your user name and password (Defalt user:admin Default password: 111111) 3、Click ‘Login’ Step1~3see2. 2. 1 4、clickk “English” toshifttoEnglish</p>
Login Interface	

2.3 Connect to the Device

Tips	<p>1、see 2.3.1, after login in, the name of your device will be displayed on the ‘device’ interface. -Single Operation: Displays BP00 -Parallel Operation: 2、see 2.3.2, click ‘BP00’ to connect 3、BlueTooth signal can be unstable, please click ‘search for device again’ .</p>
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Connection Interface	 2.3.1	 2.3.2
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2.4 APP Main InterfaceAPP

Tips	<p>1、Main Interface can display information of single operation and parallel operation</p> <p>2、Single mode can switch: BP00 (master)、BP01~BP15 (slave); status bar 6 displays ‘parallel-BP XX’</p> <p>3、In parallel mode, status bar 6 displays ‘parallel-parallel’</p> <p>4、In parallel mode, status bar 1~4 displays the summary of data, bar 5 displays the communication type between master machine BP00 and inverter, bar 6 displays. only the condition of parallel, other settings are forbidden.</p> <p>5、In single mode, status bar 2~5 displays the data of the selected machine, bar 6 displays the number of selected machine, ‘Device Specification’ , ‘Configuration Parameter’ , ‘Switch Setting’ . ‘Configuration Parameter’ and ‘SwitchSetting’ can be viewed and modified.</p>
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Main interface

2.4.1

2.4.4

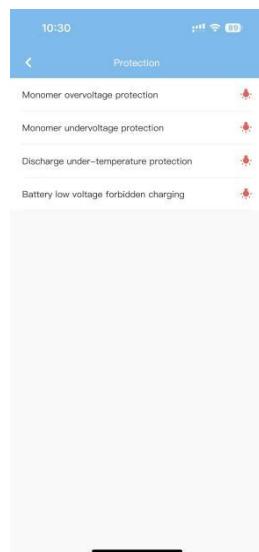
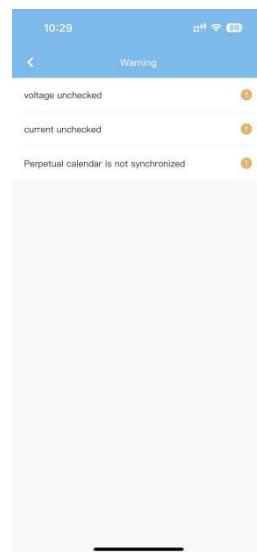
The screenshot shows the main interface of the BlueTooth APP. At the top, there's a header bar with icons for signal strength, battery level, and time (10:03). Below it is a large green box displaying 'SOC:74.9% 52.76V 0.00A' and 'Remaining Capacity 74.96Ah'. To the left of this is 'Number Of Strings 16' and to the right is 'Standby'. Below this are three sections: 'Battery Type 磷酸铁锂电池 (LFP)', 'Rated Capacity 100.0Ah', and 'Battery Capacity 100.00Ah'; 'Port Voltage 52.77V', 'Number Of Cycles 11', and 'SOH 100.0%'; and 'Max Voltage 3.300V', 'Min Voltage 3.296V', 'Max Temperature 28.3°C', 'Min Temperature 27.1°C', and 'Power Temperature 28.3°C'. Below these sections are two buttons: 'Inverter CAN SMA_SF' and 'Inverter 485 派能 (PN)'. Underneath these buttons is a section titled 'Multi-Multi' with a 'Device Detail' button. At the bottom of the main screen are two buttons: 'Set Param' and 'Switch Setting'. A list at the bottom says '请选择设备' followed by '并机' (highlighted in green), 'BP00', and 'BP01'. On the right side of the interface, there are six callout boxes with detailed descriptions:

- Status bar1:** Displays Single/Parallel condition and Blue Tooth Condition
- Status bar2:** Displays the number of batteries in series, SOC, voltage, current, remained capacity, working
- Status bar3:** Alert and Protection statistics, click to view specifications. Alert: see 2.4.2 Protection: see 2.4.3. Click 'Alert Specification-Protection Specification' to view more data,
- Status bar4:** Basic information. Displays single machine
- Status bar5:** Inverter Connection Protocol and Setting
-CAN: Support 6 types essential options and 10 types of protocols
-485: Support 5 types of RS485 protocols
- Status bar6:** Displays Parallel/Single condition, shift master and slaves, see 2.4.4.

Device details: Can show specification of battery pack in Single mode(high light)Click to view specification, see 2.4.5

ConfigurationParameter: Can display and configurate the parameters of battery pack in Single mode(high light). Click to view specification, see 2.4.6

Switch(on/off): Can switch the battery pack on and off in Single mode(high light). Click to view specification, see 2.4.7



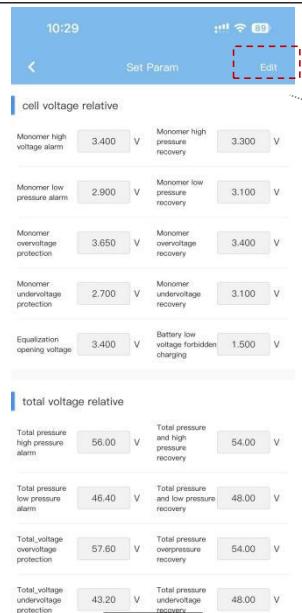
2.4.2

2.4.3



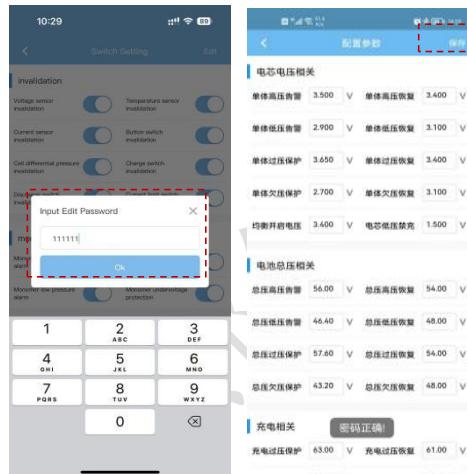
2.4.5

1. Show highest/lowest voltage of all cells, voltage of each cell.
2. Show highest/lowest temperature of all cells, temperature of each cell.
3. Display Show Manufacturer Information: CAN or RS485 communication, protocol with inverter.
Component Type: type of client's panel.
Software Version: version of BMS software.
Protocol Version: version of communication protocol between BMS and APP.



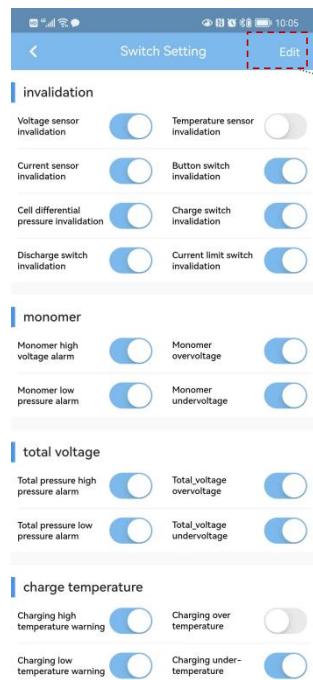
1. In Single mode (see 2.4.4, shift between Single mode and Parallel mode), click 'Edit' (see 2.4.6-1), enter password 111111 (see 2.4.6-2) and set the configuration parameter, then click 'Save'
2. After clicking 'Save', system will notice 'Confirm Modification?', your modification will be conducted by BMS after your confirm.

2.4.6-1



2.4.6-2

图 2.4.6-3



1. In Single mode (see 2.4.4, shift between Single mode and Parallel mode), click 'Edit' (see 2.4.7-1), enter password 111111 (see 2.4.7-2) and set the configuration parameter, then click 'Save' (see 2.4.7-3)

2. After clicking 'OK', system will notice 'Confirm Modification?', your modification will be conducted by BMS after your confirm.

2.4.7-1



2.4.7-2

2.4.7-3

2.5 Other Interface

Tips	<ol style="list-style-type: none">'AboutUs''Setting Password''Logout'Click 'AboutUs', like 2.5.2Click 'Setting Password' to change your password.Click 'OK' to save your settings.
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