



Technique Document

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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 V15 (24V~48V)
- EMU1101 V16 (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.
QR code	 <p>Download the apk and install on cell phone</p>
Latest version	V1.0.17



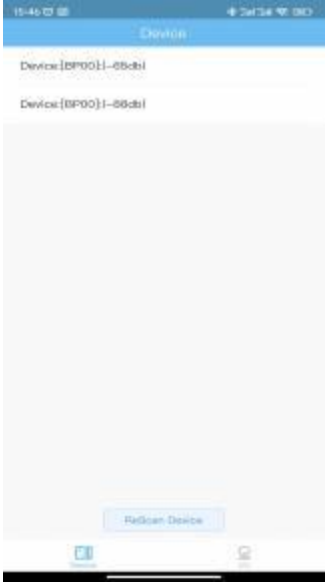

ISO	Search 'EN BMS' in APP stores(notice the blank)
Search Interface	 <p>The screenshot shows an app store search result for 'EN BMS'. The app icon is a blue circle with 'BMS' in white. Below the icon, the app name 'EN BMS' is displayed, followed by a rating of 5.0 and an age restriction of 17+. There are two screenshots of the app's interface shown below the main card.</p>

2.2 Login

Notice	<ol style="list-style-type: none"> 1、click the APP icon twice to start it. 2、log your user name and password (Default user:admin Default password: 111111) 3、Click 'Login' <p>Step1~3 see 2.2.1</p> <ol style="list-style-type: none"> 4、click "English" to shift to English
Login Interface	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>2.2.1</p> </div> <div style="text-align: center;">  <p>2.2.2</p> </div> </div> <p>The images show two versions of the login screen. The left one (2.2.1) is in Chinese and has a red dashed box around the input fields and the 'Login' button. The right one (2.2.2) is in English, with 'admin' entered in the username field and a red dashed box around the 'English' language option at the bottom right.</p>



2.3 Connect to the Device


<p>Tips</p>	<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>
<p>Connection Interface</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>2.3.1</p> </div> <div style="text-align: center;">  <p>2.3.2</p> </div> </div>

2.4 APP Main InterfaceAPP

<p>Tips</p>	<p>1、 Main Interface can display information of single operation and parallel operation 2、 Single mode can switch: BP00 (master)、BP01~BP15 (slave); status bar 6 displays ‘parallel-BP XX’ 3、 In parallel mode, status bar 6 displays ‘parallel-parallel’ 4、 In parallel mode, status bar 1~4 displays the summery 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. 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 ‘Switch Setting’ can be viewed and modified.</p>
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Main interface



2.4.1

Status bar 1: Displays the number of batteries in series, SOC, voltage, current, remained capacity, working condition (charging/ discharging/ stand-by- time)

Status bar 2: Alert and Protection statistics, click to view specific info

Status bar 3: Protection information. Displays single machine info in Single mode, summary info in Parallel mode


Status bar 4: Inverter: Connection Protocol and Setting- CAN: Support 6 types essential options and 10 types of protocols-485: Support 5 types of RS485 protocols

Status bar 5: 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

Configuration Parameter: Can display and configure 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

图 2.4.4



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 RS4 8 5 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.

图 2.4.5



2.4.6- 1

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.






2.4.6-2

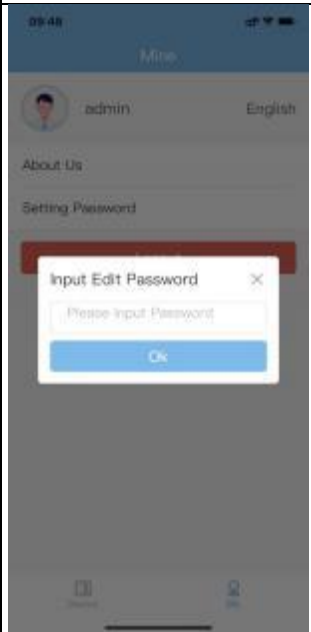
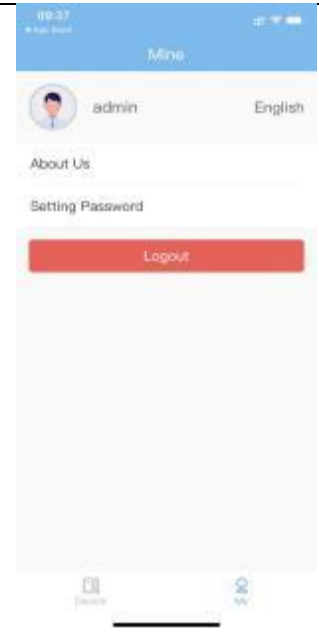


2.4.6-3



	 <p>2.4.7- 1</p>	<p>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)</p> <p>2. After clicking 'OK', system will notice 'Confirm Modification?', your modification will be conducted by BMS after your confirm.</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="874 607 1070 909">  <p>2.4.7-2</p> </div> <div data-bbox="1082 607 1270 909">  <p>2.4.7-3</p> </div> </div>
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2.5 Other Interface

<p>Tips</p>	<p>1、 'About Us', 'Setting Password' and 'Logout', see 2.5.1 2、 Click 'About Us', like 2.5.2 3、 Click 'Setting Password' to change your password. Click 'OK' to save your settings.</p>
<p>Screenshot</p>	<div style="display: flex; justify-content: space-around;"> <div data-bbox="422 1321 734 1951">  <p>2.5.1</p> </div> <div data-bbox="734 1321 1053 1951">  <p>2.5.2</p> </div> <div data-bbox="1053 1321 1345 1951">  <p>2.5.3</p> </div> </div>