



Apexium V16 BMS

Bluetooth APP installation Guide

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1 Introduction

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 Application

This guide book fits below BMS:

- EMU1101 V15 (24V~48V)
- EMU1101 V16 (24V~48V)
- EMU1203 (24V~48V)

1.2 User

This manual book is for every users of Apexium BMS.

2 Operation

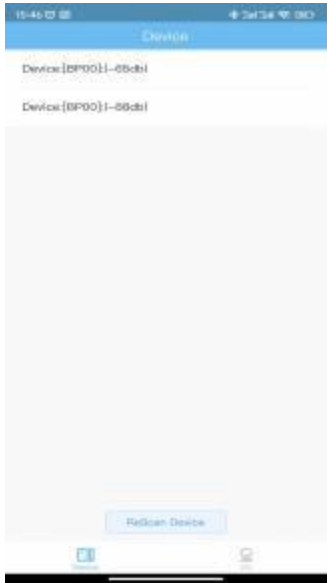
2.1 APK APP Download

Android	https://www.pgyer.com/1a8ce42e6c1a9f2d37dcaa6a790e40c2 Visit this netpage, scan the QR code.
QR code	 Download the apk and install on cell phone
Latest version	V1.0.17
ISO	Search' EN BMS' in APP stores(notice the blank)

2.2 Login

Notice	1、click the APP icon twice to start it. 2、Account:admin password: 111111 3、Click ‘ Login ’ Step1~3 see 2.2.1 4、click “ English ” to switch to English
Login Interface	 2.2.1  2.2.2

2.3 Interface introduction

Tips	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' .
Connection Interface	 2.3.1  2.3.2

2.4 APP Main InterfaceAPP

Tips	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.
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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 specifications. Alert: see 2.4.2 Protection: see 2.4.3. Click 'Alert Specification-Protection Specification' to view more data, like when did the event happen.

Status bar 3: Basic 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

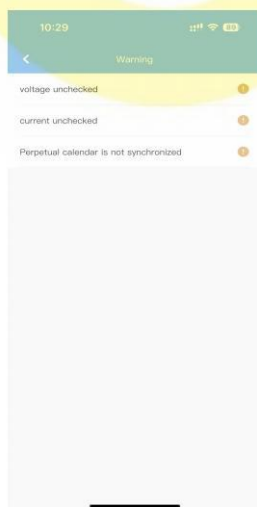
Status bar 5: Displays Parallel/Single condition, shift master and slaves, see 2.4.4.

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

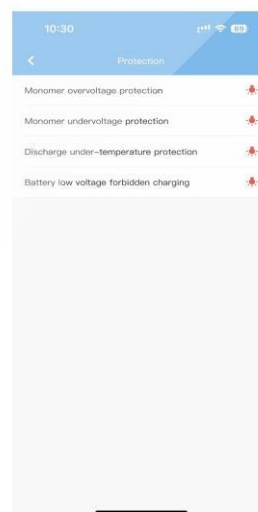
Configuration Parameter: Can display and configure the parameters of battery pack in Single mode(high light). Click to view specification, see 2.4.6

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

图 2.4.4



2.4.2



2.4.3



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.

图 2.4.5

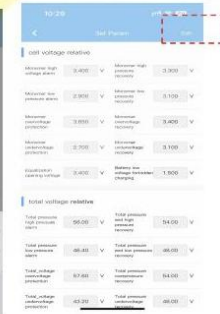


2.4.6-1

1. In Single mode (see 2.4.4, shift between Single mode and Parallel mode), click 'Edit' (see 2.4.6-1), enter password 11111 (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



2.4.7-1

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.

2.4.7-2

2.4.7-3

2.5 Other Interface

Tips	1、 'About Us' , 'Setting Password' and 'Logout' , see 2.5.1 2、 Click "About Us0" , like 2.5.2 3、 Click "Setting" Password' to change your password. Click 'OK' to save your settings.
Screenshot	2.5.1 2.5.2 2.5.3