Be Connect Plus (BCP)

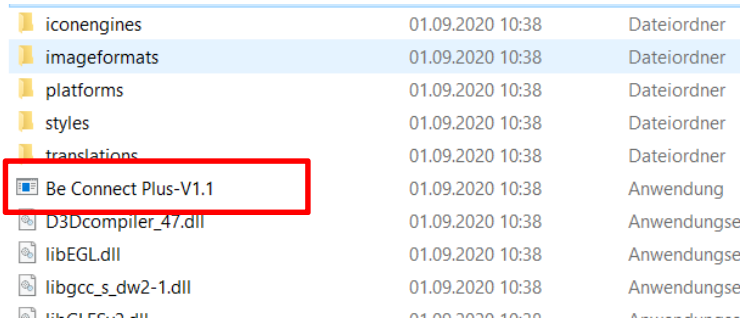
Short Guide V1.1 (07.09.2020)

Note:
With Be Connect Plus (BCP) you can read the battery information, configure the battery system and update the battery firmware.
You need a windows computer that will be connected to the battery Wifi.

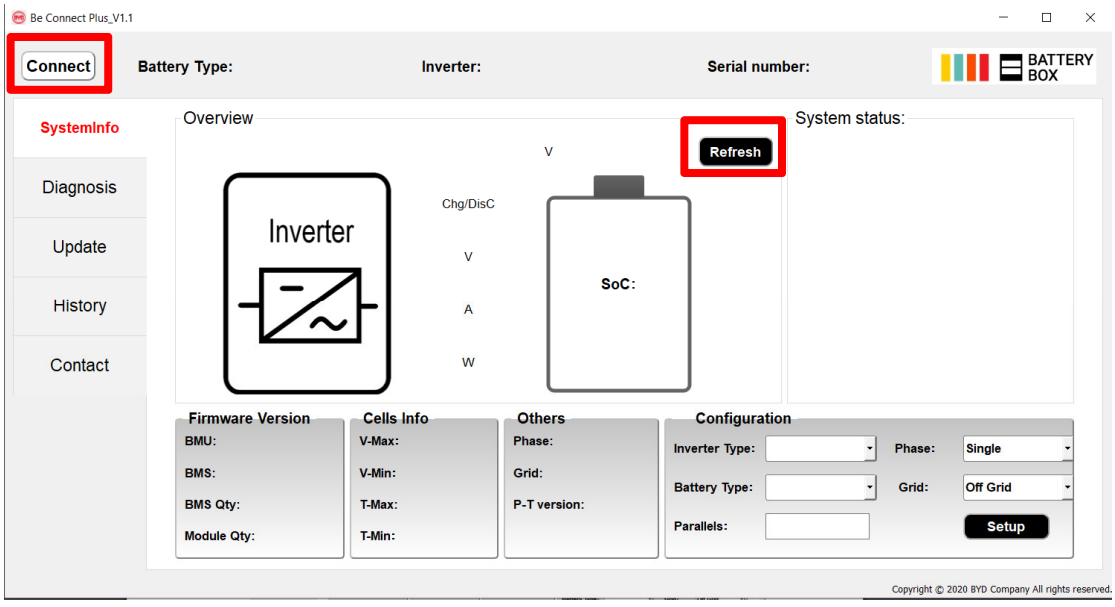
BCP is constantly being improved and updated. The latest version can always be found on the website of the local service partner. Make sure to use the latest program version.

1) Open & Connect

1.1) Connect to the battery WiFi (Wifi Password: BYDB-Box).
1.2) Unzip the package file, and double click the “BeConnectPlus.exe”.

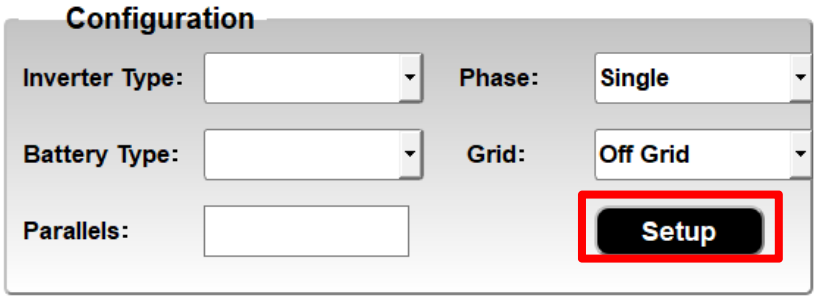


1.3) Click “Connect” at the left corner of the interface to connect to battery. Then click on “Refresh”.
Note: If it shows “connection failed”, please make sure that you are connected to the battery wifi. Then try again.



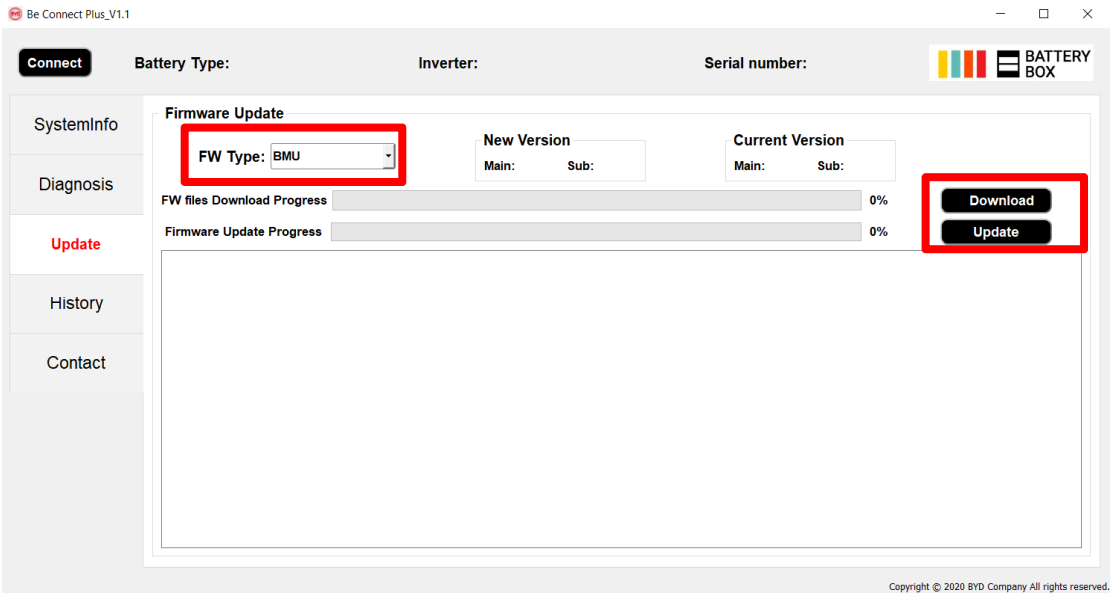
2) Configure & Update

2.1) In the section “SystemInfo” you can do the configuration (Inveter type, Phase, Module Quantity, Grid), then click on “Setup” to save it. The configuration is done.
Note: To refresh, close tool and then reopen it again. Then you can check if the settings have been saved correctly.



2.2) In the section “Update” click on “Download” to download the latest FW. BCP will then check automatically if there are newer versions on the server and download it then locally on your laptop.
Note: Internet connection necessary for this step.

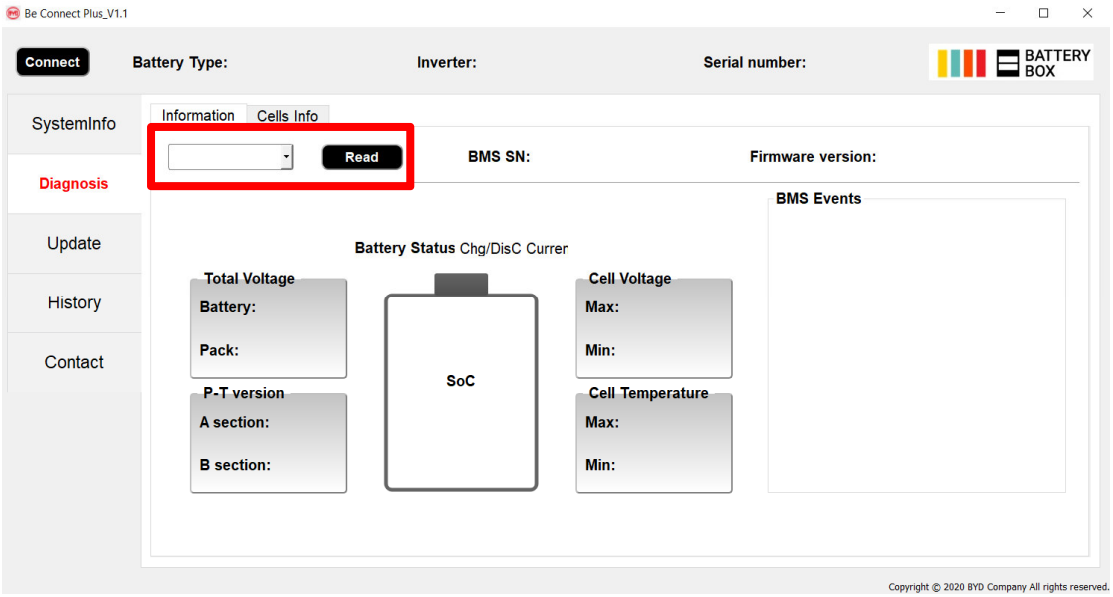
2.3) In the section “Update” click on “BMU”, then on Update. Wait until it has reached 100% in the progress bar. Then select “BMS” and click on update again.
Note: The installation of the BMS FW takes approx 20min after. So when it has reached 100%, please wait 20 minutes. Close and reopen the program and then check if FW has been correctly updated.



3) Troubleshoot

Note: This section is only required if there is a service problem. In this case, please also refer to the Battery-Box Service Guideline and Checklist

3.1) You can check the current status in the tab (e.g alarm events) in the section “Diagnosis”. Click on “read” and wait a couple of seconds for the data to be displayed.



3.2) Cell-Log: In the section “diagnosis” select the tab “Cell Info” and export the cell data to an excel file (“Export to Excel)

3.3) BMU-Log: In the section “History” select “BMU”. Enter the requested quantity of data points in “Historcal Data Quantity” (recommendation: 300). Then click on “Read Historical Data” and wait until all the data has been imported. Then please export it to an excel (→”Export to Excel)

3.4) BMS-Log: In the section “History” select “BMS”. Enter the requested quantity of data points in “Historcal Data Quantity” (recommendation: 300). Then click on “Read Historical Data” and wait until all the data has been imported. Then please export it to an excel (→”Export to Excel)
Note: If there are multiple BMS (e.g parallel connected LVL), please repeat for every BMS.

3.5) Create a screenshot of the sections “SystemInfo” and “Diagnosis” and of the Events-tab in the section “History”

3.6) Send the logs (BMU-History, BMS-History, Cell-Data, Screenshots) to the local service partner together with your ticket number (if already available)

Note: To export the data into an Excel file, you need to have Microsoft Excel installed on your laptop. If you don’t have Excel on your computer or if you have any other difficulties exporting the logs, please create screenshots of the related sections instead.