

## FoxESS Low Voltage Battery Data Monitoring Software User Guide

This manual explains how to monitor data of the following products through BMS box:  
**LV5200.**

This Section explains the operating environment for LV5200 monitoring software.

- **Compatible Operating Systems**

- Your computer must be running one of the following operating systems: Windows Vista/7/8/8.1/10.

- **Connection**

- Connect your computer and the battery through a Special “Data Transfer Cable” with RJ45 and USB on both ends.



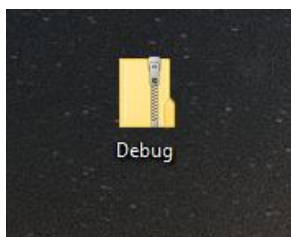
### Monitoring the Data:

This section explains the procedure for monitoring the data.  
Please follow the procedure carefully.

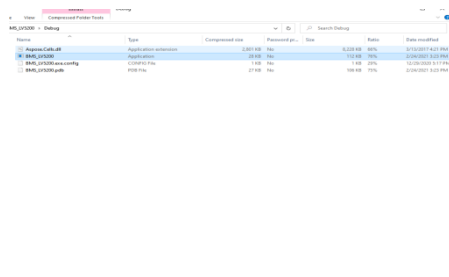
1. Connect your computer securely to the BMS with the “Data Transfer Cable” that you will be using for the data monitoring, and connect to the RS485 port on BMS. Disconnect other non-essential USB or cables on your computer. Make sure Battery has been turned on.



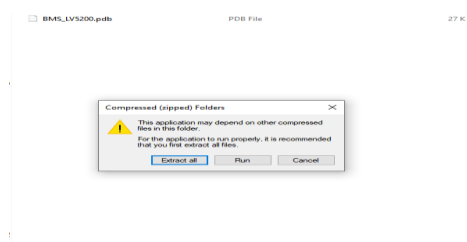
2. Open the data extracting application file “Debug”.



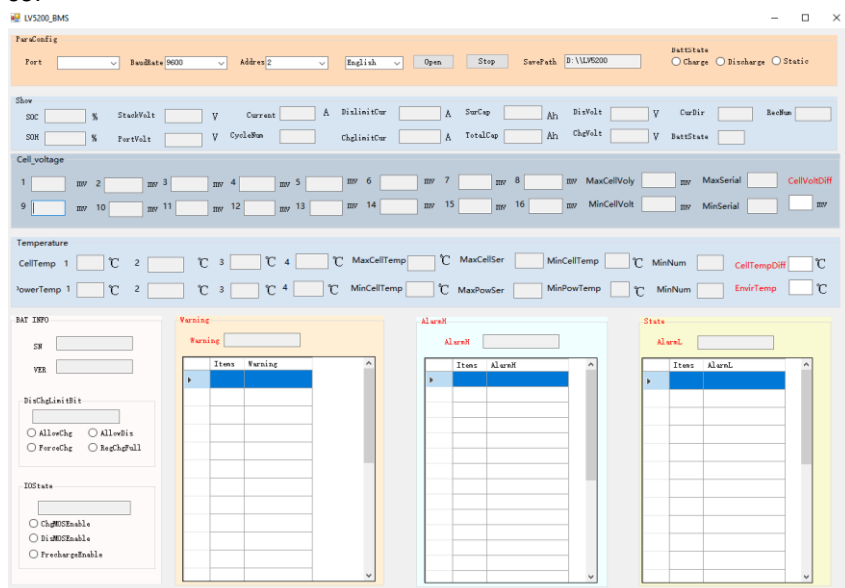
- Double-click the **[BMS\_LV5200.exe]** icon to launch the application.



- A dialog box with zipped notification statements appears. Ignore the notification, and then click **[Run]**.

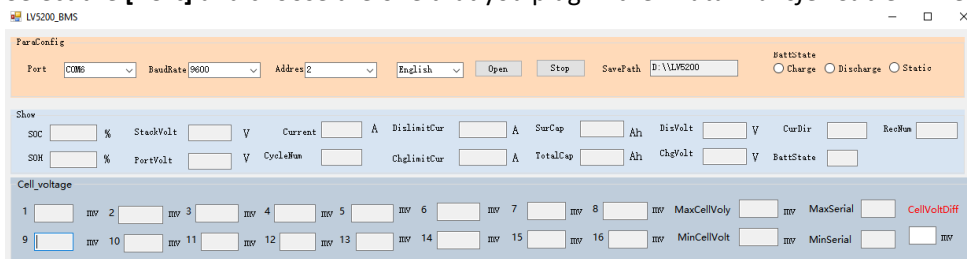


- The data monitoring application opens. Do not close the application unless you are instructed to do so.





- Select the **[Port]** and choose the one that you plug-in the “Data Transfer Cable”. Then, Click **[Open]**.



ParaConfig

Port: COM6 BaudRate: 9600 Address: 2 English Open Stop SavePath: D:\LVS200 BatState: Charge Discharge Static

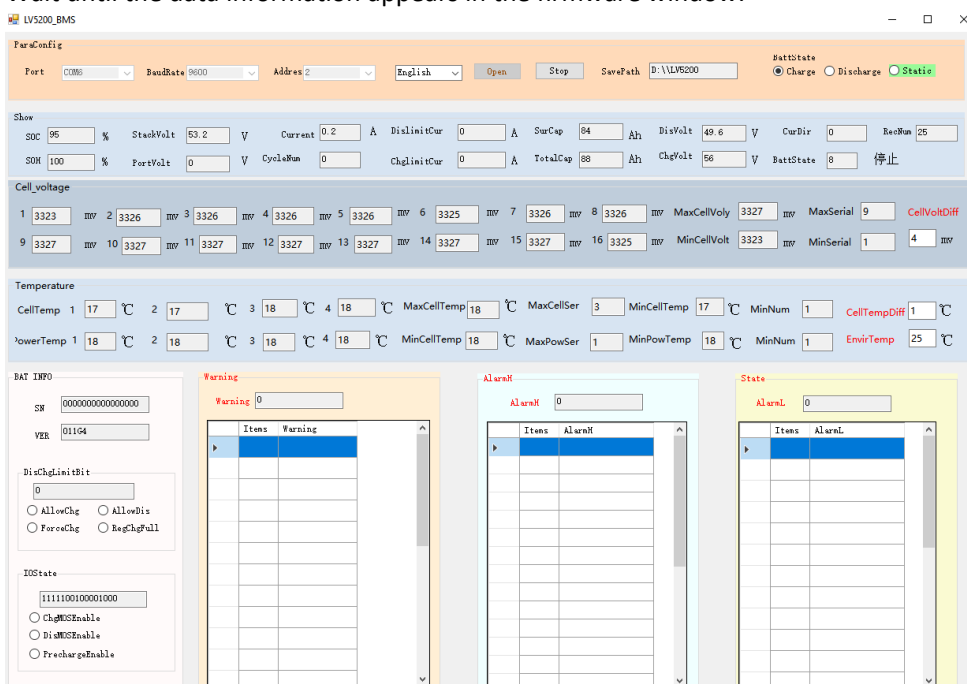
Show

SOC: % StackVolt: V Current: A DislimitCur: A SwrCap: Ah DisVolt: V CurDir: BeeRun:   
 SOH: % PortVolt: V CycleRun: ChgLimitCur: A TotalCap: Ah ChgVolt: V BattState:

Cell\_voltage

1 mv 2 mv 3 mv 4 mv 5 mv 6 mv 7 mv 8 mv MaxCellVoly: mv MaxSerial: CellVoltDiff:   
 9 mv 10 mv 11 mv 12 mv 13 mv 14 mv 15 mv 16 mv MinCellVolt: mv MinSerial: mv

- Wait until the data information appears in the firmware window.



ParaConfig

Port: COM6 BaudRate: 9600 Address: 2 English Open Stop SavePath: D:\LVS200 BatState: Charge Discharge Static

Show

SOC: 95 % StackVolt: 53.2 V Current: 0.2 A DislimitCur: 0 A SwrCap: 64 Ah DisVolt: 49.6 V CurDir: BeeRun: 25   
 SOH: 100 % PortVolt: 0 V CycleRun: 0 ChgLimitCur: 0 A TotalCap: 88 Ah ChgVolt: 56 V BattState: 8 停止

Cell\_voltage

1 3323 mv 2 3326 mv 3 3326 mv 4 3326 mv 5 3326 mv 6 3325 mv 7 3326 mv 8 3326 mv MaxCellVoly: 3327 mv MaxSerial: 9 CellVoltDiff:   
 9 3327 mv 10 3327 mv 11 3327 mv 12 3327 mv 13 3327 mv 14 3327 mv 15 3327 mv 16 3325 mv MinCellVolt: 3323 mv MinSerial: 1 4 mv

Temperature

CellTemp: 1 17 °C 2 17 °C 3 18 °C 4 18 °C MaxCellTemp: 18 °C MaxCellSer: 3 MinCellTemp: 17 °C MinNum: 1 CellTempDiff: 1 °C   
 PowerTemp: 1 18 °C 2 18 °C 3 18 °C 4 18 °C MinCellTemp: 18 °C MaxPowSer: 1 MinPowTemp: 18 °C MinNum: 1 EnvirTemp: 25 °C

BAT INFO

SR: 0000000000000000 VER: 01104   
 DisChgLimitBit: 0   
 AllowChg: AllowDis: ForceChg: BegChgFull:   
 IOSState: 1111100100001000   
 ChgIOSEnable: DisIOSEnable: PrechargeEnable:

Warning

Warning: 0

AlarmH

AlarmH: 0

State

AlarmL: 0

- Click **[Close]** to close the application.