

## INITIAL BOOT Setup

*(If your battery monitor has been previously set up, press and hold SETUP for 3 seconds to enter the Setup Wizard)*

After the BMV-702 is installed and powered up, the screen will display: **01 Battery Capacity**. Press **SELECT**. Use the + or - (↑ & ↓) to adjust the value. Press **SELECT** to cycle through the digits. Adjust the value of the battery capacity to total amp hours of your system. Press the **SELECT** button to save. You will hear a quiet beep when the value has been modified and saved. Once you have the desired *Value* press **SETUP** to return to the setup menu.

*(Note: You must cycle through all digits in order to save any changes.)*

The next screen will display: **69 Aux Input**. Press **SELECT**.

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The BMV-702 has an Aux input on the shunt for a second battery. Its functions include: Engine battery voltage, midpoint voltage on a 6 volt system, or to view battery temperature. An additional temp sensor is required.

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*(Note: #69 must be set in order to access the other temperature settings – you are using this function for temperature control, so select TEMP).*

Press **SETUP**. You will now see the Battery Voltage displayed.

Press and hold **SETUP** for 3 seconds to re-enter the Setup Wizard

Use the + or - buttons to select: **02 Charged Voltage**

- Adjust the value to 13.9v.
- You will hear a beep when a value has been modified and saved.
- Then press **SETUP** to return to the Setup Wizard.

Follow the same procedure to edit the remaining “Program Settings” to the values below.

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### Program Settings

- |                          |   |   |
|--------------------------|---|---|
| <input type="checkbox"/> | 01. Battery Capacity: -----             | (Enter total battery capacity In Amp Hours) |
| <input type="checkbox"/> | 02. Charge Voltage: -----               | 13.9  |
| <input type="checkbox"/> | 03. Tail Current: -----                 | 2%  |
| <input type="checkbox"/> | 05. Peukert Exponent -----              | 1.05  |
| <input type="checkbox"/> | 06. Charge Efficiency Factor: -----     | 98%   |
| <input type="checkbox"/> | 12. Invert Relay: -----                 | ON  |
| <input type="checkbox"/> | 16. SOC Relay: -----                    | 20%   |
| <input type="checkbox"/> | 17. Clear SOC Relay: -----              | 20%   |
| <input type="checkbox"/> | 18. Low Voltage Relay: -----            | 0 vdc                                       |
| <input type="checkbox"/> | 19. Clear Low Voltage Relay: -----      | 0 vdc                                       |
| <input type="checkbox"/> | 20. High Voltage Relay: -----           | 20 vdc                                      |
| <input type="checkbox"/> | 21. Clear High Voltage Relay: -----     | 20 vdc                                      |
| <input type="checkbox"/> | 26. High Temperature Relay: -----       | 70° C (158° F)                              |
| <input type="checkbox"/> | 27. Clear High Temperature Relay: ----- | 70 ° C (158° F)                             |
| <input type="checkbox"/> | 28. Low Temperature Relay: -----        | 1° C (34° F)                                |
| <input type="checkbox"/> | 29. Clear Low Temperature Relay: -----  | 1° C (34° F)                                |
| <input type="checkbox"/> | 67. Temperature Unit: -----             | CELC (Celsius) or FAHR (Fahrenheit)         |
| <input type="checkbox"/> | 69. Aux Input: -----                    | TEMP  |

Once Finished programming, cycle power to the BMV-702 by briefly removing the glass fuse in the black plastic inline holder on the temperature sensor wire connected to the battery positive terminal. The wire can be identified by it's yellow label reading “BMV-702 Only!” and has blue heat shrink at the lug.