



Battery Settings for VESC Tool

This guide will assist with setting up your board with VESC Tool battery settings for some of the common batteries currently available in the market.

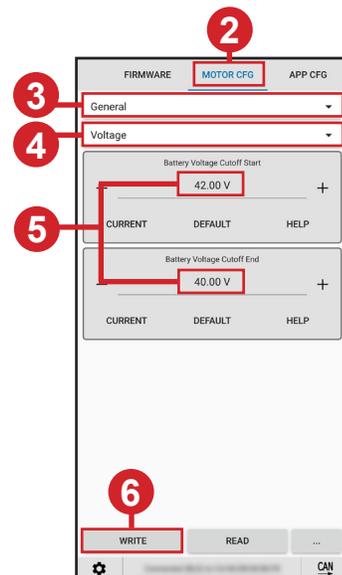
Setting Battery Voltage Cutoff Start/End

Voltage cutoff only limits current and puts the board into low power mode.

1. Open the VESC Tool App
2. Scroll to the right on the top menu and select **MOTOR CFG**
3. 1st Drop-down: **General**
4. 2nd Drop-down: **Voltage**
5. Reference the chart below for your battery type and fill in the corresponding **Battery Voltage Cutoff Start** and **Battery Voltage Cutoff End**

Battery Type	Stock XR	JWXR/CBXR	CBCSO	TORque Pack
Battery Voltage Cutoff Start	42.00 V	42.00 V	56.00 V	53.00 V
Battery Voltage Cutoff End	40.00 V	40.00 V	54.00 V	51.00 V

6. Select **WRITE**



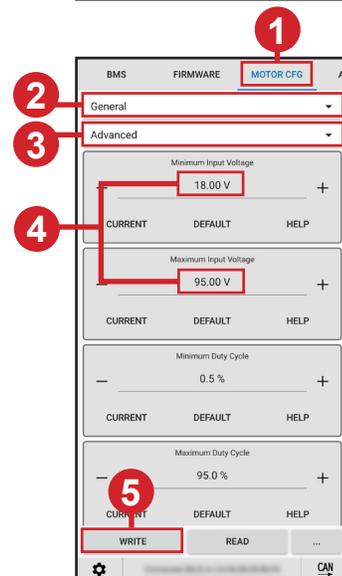
Setting Minimum/Maximum Voltage

These settings set the proper voltage range in order to shut the board off.

1. Make sure you are still on the **MOTOR CFG** menu
2. 1st Drop-down: **General**
3. 2nd Drop-down: **Advanced**
4. Reference the chart below for your battery type and fill in the corresponding **Minimal Input Voltage** and **Maximum Input Voltage**

Battery Type	Stock XR	JWXR/CBXR	CBCSO	TORque Pack
Minimal Input Voltage	39.00 V	39.00 V	52.00 V	49.00 V
Maximum Input Voltage	66.00 V	66.00 V	88.00 V	83.00 V

5. Select **WRITE**



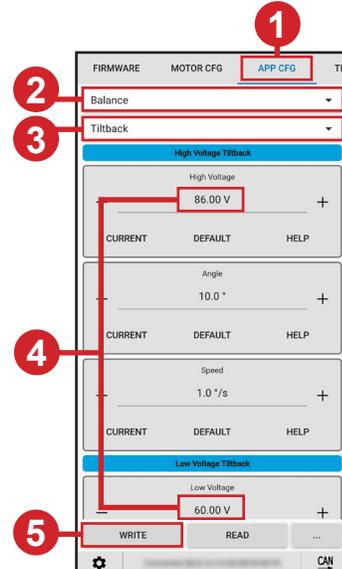
Setting High/Low Voltage Tiltback

These settings set the voltage range to engage tiltback when the limits are reached.

1. Make sure you are still on the **APP CFG** menu
2. 1st Drop-down: **Balance**
3. 2nd Drop-down: **Tiltback**
4. Reference the chart below for your battery type and fill in the corresponding **High Voltage** and **Low Voltage**

Battery Type	Stock XR	JWXR/CBXR	CBCSO	TORque Pack
High Voltage	65.00 V	65.00 V	86.00 V	82.00 V
Low Voltage	45.00 V	45.00 V	60.00 V	57.00 V

5. Select **WRITE**



Battery settings continued on next page.



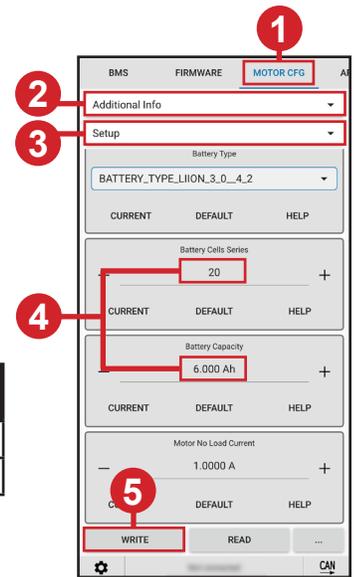
Settings for VESC Tool Battery Percentage Gauge

This calibrates the battery percentage gauge in the VESC Tool app to display the proper info for your battery.

1. Make sure you are still on the **MOTOR CFG** menu
2. 1st Drop-down: **Additional Info**
3. 2nd Drop-down: **Setup**
4. Reference the chart below for your battery type and fill in the corresponding **Battery Cells Series** and **Battery Capacity**

Battery Type	Stock XR	JWXR/CBXR	CBCSO 30Q Cells	CBCSO P28A Cells	TORque Pack
Battery Cells Series	15	15	20	20	19
Battery Capacity	6.000 Ah	10.500 Ah	6.000 Ah	5.600 Ah	8.500 Ah

5. Select **WRITE**



Congratulations! You're all setup with battery settings. For additional tips and how-to's visit www.pev.dev and collaborate with the community.