

Programming Your BMV-712 Smart Battery Monitor for AGM Batteries

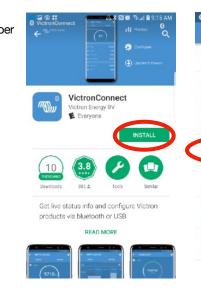
AM SOLAR

Programming on the BMV-712 Battery Monitor in the Victron Connect App:

- 1. Download "VictronConnect" from the Google Play Store (picture 1).
- 2. Turn on your Phone's Bluetooth, and get as close as possible to your Victron Component(s).
- Open the Victron Connect app, and after it takes a moment to scan it will recognize your BMV-712.

NOTE: If your device is not shown, it is probably signal interference. Try closing the app and moving to a different location before re-entering the app in a location that can pick up the BMV's signal.

- 4. Select the BMV-712 on the Device List (picture 2).
- 5. Press the gear icon in the top right corner (picture 3).
- 6. Enter "Battery" and change the values to match the colored box at the top right (screen shown on picture 4):
- 7. Changing Battery Capacity: Enter the number of Ah of your entire battery bank
- 8. Charged Voltage: 14.1
- 9. Tail Current: 2%
- 10. Peukert Exponent: 1.10
- 11. Charge Efficiency Factor: 97%
- 12. Go back to Settings, enter "Misc"
- 13. Enter "Relay"
- 14. Change Low SOC relay to 50/50
- 15. Aux Input: Select "Temperature"
- 16. Temperature Unit: Select "Fahrenheit"
- 17. Temperature Coefficient: 0.3%cap/F
- 18. Exit from settings, you have completed programming.





Program Settings for AGM Batteries

Battery Capacity: Enter the total battery capacity in Amp Hours.

- Charged Voltage: 14.1
- Tail Current: 2%
- Peukert Exponent: 1.10
- Charge Efficiency Factor: 97%
- Aux Input: "Temperature"
- Temperature Unit: "Celsius" or "Fahrenheit"
- Temperature Coefficient: 0.3%cap/F

SmartLithium BL HQ1713ZQ2IX I SmartLithium HQ1713GZ8DF I IzV/300Ah I SmartLithium HQ1713GZ8DF I IzV/300Ah I SmartLithium HQ171621BW6 I IzV/200Ah I M Solar V4 I BM-Y712 Smart I AM Solar V4 MPPT 30 I MPPT 100/30 I Kobert Dill Solar I MPPT 100/15 I Impert 100/15 I	~® d:: *N*!#	९२ af @ 12:51 PM	ê @ ::	A \$ 10 \$ \$ 11 \$ 10 AM	~# <u>\$</u> \$ 2 66 ~ A\$N¥#
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SmartSolar HQ1814N7U8V Zero current calibration MPPT 150/70 Load output Zero current calibration	SmartSolar HQ1814N7 MPPT 150/70	UBV ‡	Load output		Zero current calibration
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NOTE: To change the PIN code from the app, go back to the device list page in the app. Click on the three circles to the right of your device, and select "Reset PIN code".

NOTE: Only one phone can be connected to each device at a time. Be sure to completely disconnect and close the app to log out.

1

2-16 PM

400Ah

14.1V

2.00%

3m

1.10

97%

0.10A

3m

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