Empfohlene Einstellung von Batrium

- Batrium Forum
- Soc Limit als Float Ersatz?

Batrium Forum

Request to have the calibration of the CellMate-K9 on the software:

- Thanks for the recommendation. This feature is something that our team will work on when we get the chance, in the same manner, that this can be done on the other existing individual cell monitors.

Please know that balancing at 3.425V all the time is bad for a whole bunch of reasons. See below:

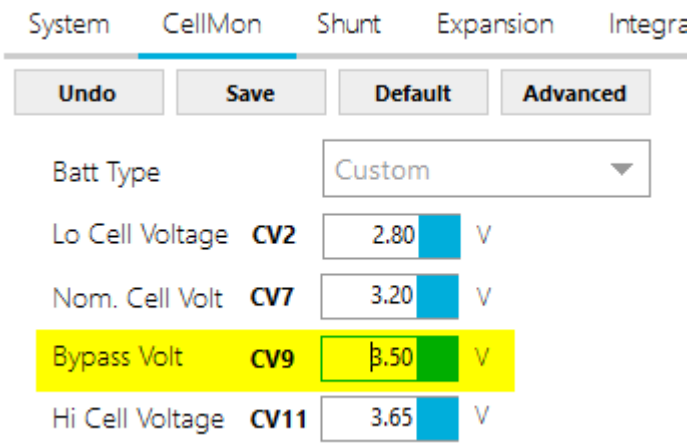
- The passive balancing cell modules are not designed to balance all the time, they will not last long term.
- At this voltage, the calibration can have adverse effects on the battery's SoC as it will be thinking to adjust things when the battery is ok to start with.
- At this resting voltage of 3.425V there is a really wide SoC% range and so picking this value and thinking this is right and adjusting accordingly is suboptimal and will have adverse effects.
- The suggested recommended practice of above 3.55V is the recommended balancing when full. Running substantially lower will give false outcomes.
- Please know that **Auto Balance is not recommended for LiFePO4.**
- We have an additional extra balancing mode for LiFePO4 that will document soon, this works to continue to run the bypassing process when any cell reaches the bypass threshold (i.e. 3.5v), to continue even after charging has stopped for a period of time even after the battery returns to 3.425V when the charging pauses. This means that the capacity of that cell can be reduced when charging resumes, allowing other cells to catch up and will repeat the same cycle until all have achieved the balancing voltage. This works far better than cell voltage matching when not full or empty. Once the pilot has been completed we will publish the new method **Latched** mode soon.

Calibration adjustment at 22mV is within the 0.5% tolerance of the product and pushing beyond the calibration reference of the equipment and then hence even tighter than the LiFePO4 recommended operating threshold (see above list).

Was ergibt sich daraus für Einstellungen im Batrium selbst?

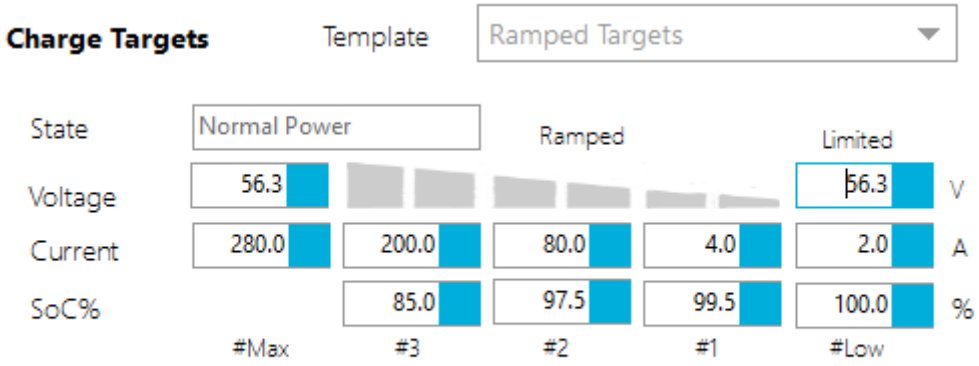
Vorschlag:

Hardware



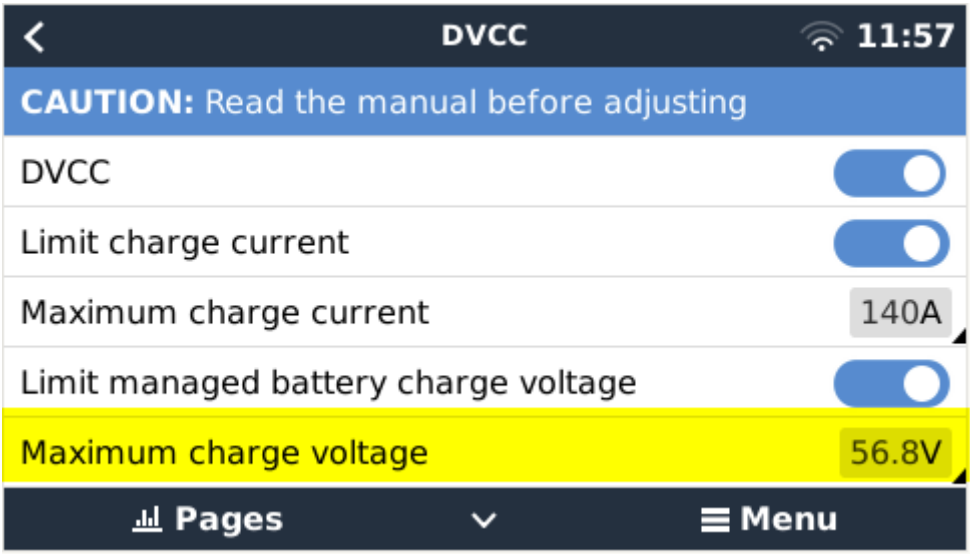
Control Logic / Remote

56.3V, weil CellMons 0.3V zu wenig messen



Einstellungen im DVCC:

Maximum charge Voltage muss größer gleich der im Batrium eingestellten Voltage sein!



Soc Limit als Float Ersatz?

So neuer Test, da Wetter schlecht habe ich jetzt mal Soc HiCutout auf 85% gesetztImage
Jetzt hat er Laden auf 0 gesetzt, die Spannung ist aber noch auf 55.7V, also versorgen jetzt die MPPT die Lasten, und der Akku hat Pause. Müsste somit bei 100% auch funktionieren, oder?

Wenn man jetzt bei limited die Spannung runter setzt, zieht er wieder alles aus der Bat, statt vom Mppt

Somit denke ich darf man die limited Spannung nicht runtersetzen, da er sonst zu schnell wieder in den Lademodus kommt.