Battery secondary high voltage alarm

What voltage does a high voltage alarm trigger?
The alarms currently trigger just above 52V. Can you see the individual cell voltages? Could be that only one cell reaches the maximum allowed voltage and the BMS triggers the high voltage alarm.

Why is my BMS triggering a high voltage alarm?
Could be that only one cell reaches the maximum allowed voltageand the BMS triggers the high voltage alarm. If that's the case,lower the battery charging voltage (maybe start at 51.75V and gradually raise it to 52.5V and maybe even higher) and hope that the cells will top balance eventually. @Seb71 The warnings are currently triggering at 52.04V.

Can a high voltage alarm be raised?
When properly controlled,a high voltage situation is not possible,as the BMS disconnects all chargers well before raising the high voltage alarm. 7.4. A-SL11: Under voltage alarm To remedy this warning,recharge the battery as soon as possible. 7.5. A-SL15: Over temperature alarm

What does a battery balancing alarm mean?
These alarms can indicate that there is an internal cell imbalancein the battery. It may be useful in this situation to enable this feature,and then adjust the voltage limit down so that the batteries are able to balance charge without reaching over voltage internally.

Why does my pylontech L1 & L2 battery trigger a high-voltage alarm?
1. SUMMARY Some Pylontech US & Force L1 & L2 Series batteries will trigger a high-voltage alarm when connected to a Victron GX device (Venus, Color Control or Cerbo) through the CAN bus. This scenario may happen under normal condition of operation when the batteries are relatively new and may be slightly out of balance.

What is alarm delay?
Alarm delay An alarm delay is in place to prevent the occurrence of alarms during short-term deviations that will not damage a battery. The alarm is triggered when the deviation exceeds the set alarm value for more than 5 minutes. If the deviation exceeds the set alarm value by a factor of two or more,the alarm will trigger after 10 seconds.

We have three batteries of 104Ah 51.2V in parallel, two Multiplus 5kW and 100A 150V MPPT solar charger. The alarm comes from battery BMS. Absorption and float charge parameters in solar charger are 58.4V suggested by manufacturer. This alarm only appears when batteries are 100% SOC.

Thanks for this info, I had the same problem with a Pylontech UP2500 24V 2.8kWh battery. It would seem if the battery does not get charged from the time of production to install, (the time in my case was >14

months) the cells can become unbalanced, which shows up on the first full charge and gives a battery alarm of "high cell voltage" well below the ...

What can be done to solve the problem. The alarms tend to show up at voltages below the recommended charge voltage settings, ie max voltage for absorption charging 53.2V and Float 53V in accordance with the manual. I have downloaded logs for some of the alarm events, these can be found at the following link.

A timely alarm can be generated by monitoring the midpoint of the battery bank (i.e. by splitting the string voltage in half and comparing the two string voltage halves). The midpoint deviation ...

so this summer I"ve gotten several high voltage alarms (14.6v) with my pair of LiFePO4 batteries (280a EVE cells). so investigating the victron SCC profile; the full charge voltage is 14.2 (looks correct) and the float charge is 13.5 (also correct) but then I noticed a little blip in the manual (yes; I read it) that LiFePO4 has a default absorption time of 2 hours and ...

After setup the batteries were charged from 70% to 100% the VRM is showing an alarm of High battery voltage. Battery reading 52.29V. Victron energy website shows Max Charge Voltage for this battery as 53.2V. HELP PLEASE

As the SOC ticked over 98% the supply to the batteries did start to reduce, but not quickly enough to prevent the high volt alarm. When the high volt alarm came up I could see that the system was still pushing more than 3.5kW into the batteries. What is curious is that the alarm reports that the voltage is 52.27V, which is actually lower than ...

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