HOW TO CORRECTLY SET UP A VICTRON BMV OR SMART SHUNT WITH YOUR REMCO SLIMLINE LITHIUM BATTERY

OVERVIEW

Many warranty claims result from incorrect monitoring system configuration. Incorrect settings lead to inaccurate State of Charge (SOC) readings, often misinterpreted as battery faults.

Common Configuration Errors:

Charged Voltage – this is the voltage that, when reached resets the SOC (State of Charge) back to 100%. Out of the box the battery comes as 13.2V. If left at this setting the customer will think their battery is at 100% t this voltage when in reality the battery is actually at around 50%. The setting should be set to 13.8V

Discharge Floor – This setting is used to base calculations like 'Time to Empty' and 'Time to Full'. It comes at 50% default and should be set to 10-20%.

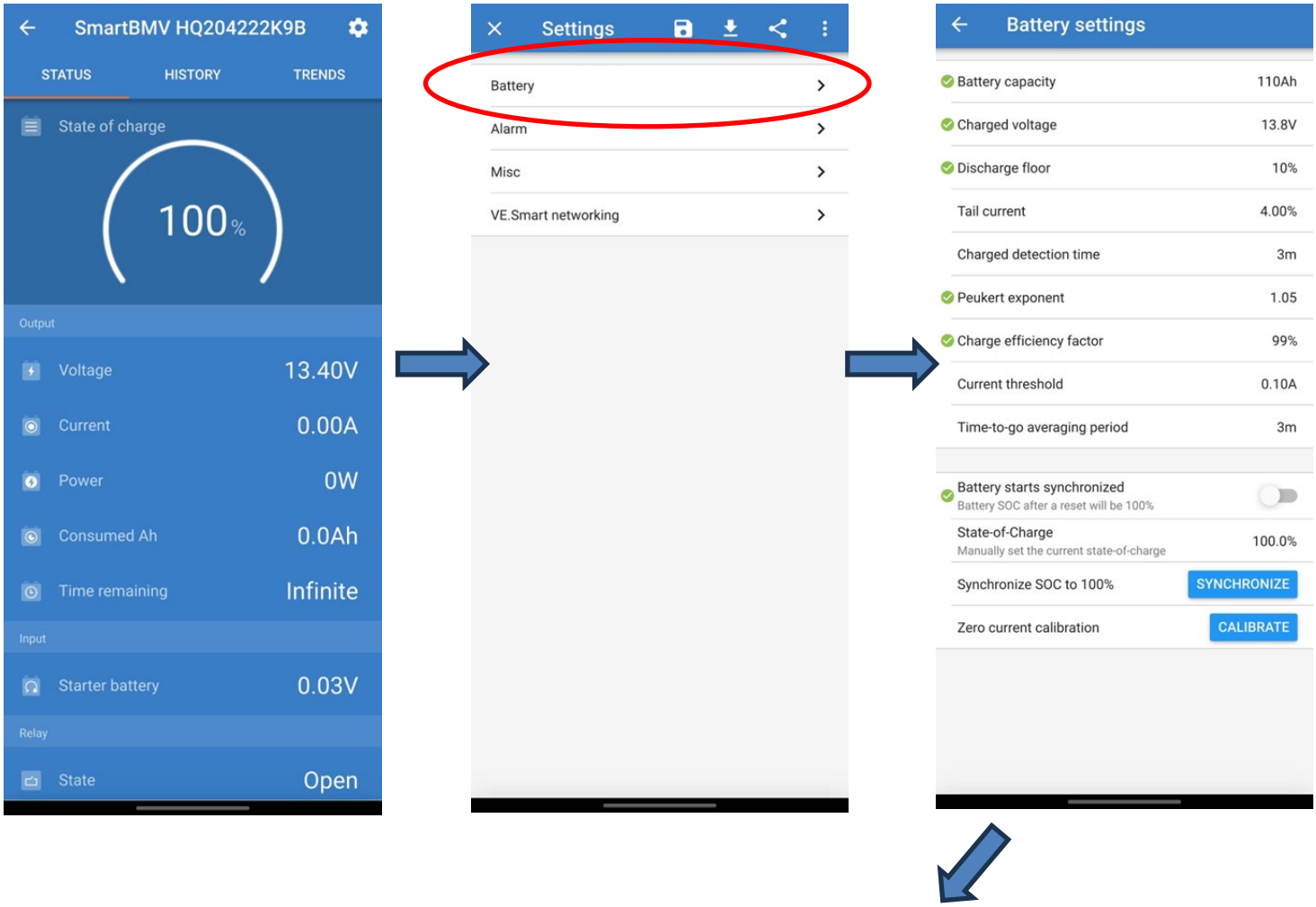
Peukerts Exponent – Defines the behaviour of different chemistries in batteries. It comes by default to 1.25. It needs to set to 1.05. If set incorrectly the battery may appear to less efficient than it really is.

Charge Efficiency: Reflects the fact that the incoming charge is not perfectly converted to stored energy. Recommend to set at 95-99%.

Keep SOC – If the shunt loses power this setting tells it to remember the SOC before disconnection.

Keep all other settings at default

To configure your battery set-up, open the Victron Connect App, select “Settings” then select “Battery”



Configure each parameter as follows:

Parameter	Setting
Battery Capacity	110 or 220Ah
Charged Voltage	13.8V
Discharge Floor	10%
Tail Current	4%
Charged Detection Time	3 minutes
Peukert Exponent	1.05
Charge Efficiency	95%
Current Threshold	0.10A
Time-to-Go Averaging	3 minutes
Battery Start Synchronised	Off