

Cell Overvoltage Protection (section 5.2.4 p. 37 Tech Ref)

Settings: Protection: Enabled Protections A: [COV] *Enables COV Protection*

Protections: COV: Threshold *Sets the voltage threshold for an overvoltage condition for every cell*
1.0V to 5.5V in 50mV steps

Protections: COV: Delay *Delay for advancing an Alert to a Fault*
10ms to 6762ms in 3.3ms steps

Protections: Recovery: Time *Time used to recover from an overvoltage Fault*
0sec to 255sec (default = 3sec)

Protections: COV: Recovery Hysteresis *Hysteresis level to be exceeded to recover from an overvoltage Fault*
100mV to 1V in 50mV steps

Settings: Protection: CHG FET Protections A [COV] *Enables Autonomous FET control*

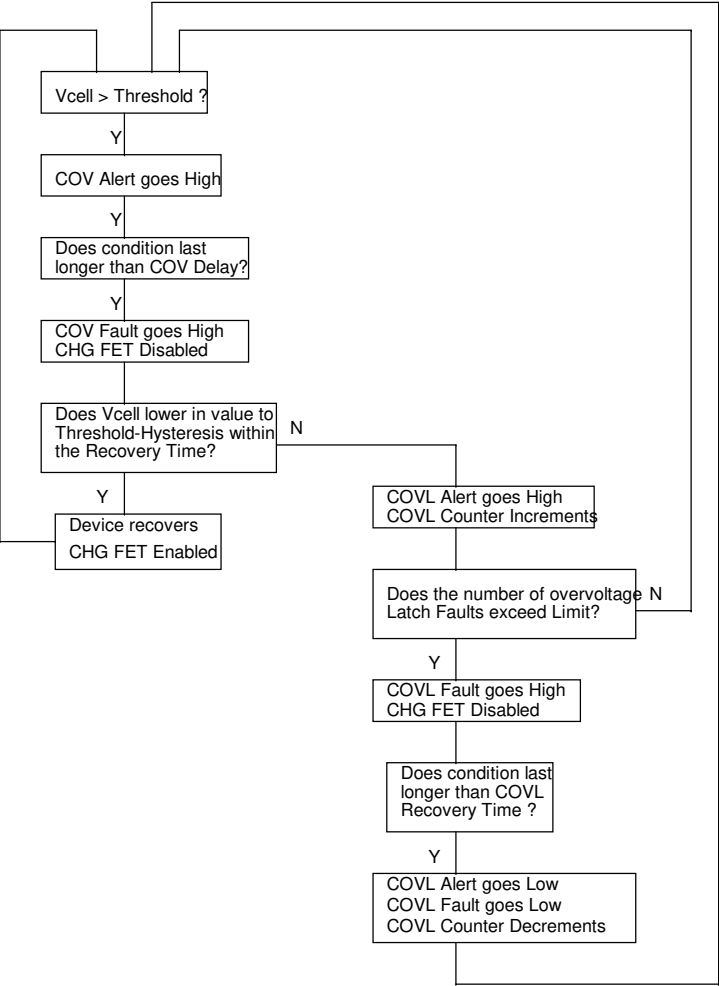
Cell Overvoltage Latch Protection (section 5.2.4 p. 38 Tech Ref)

Settings: Protection: Enabled Protections C: [COVL] *Enables COVL Protection*

Protections: COVL: Latch Limit *Number of overvoltage faults within a given time before a COVL Fault is triggered*
0 to 255 (default = 0)

Protections: COVL: Counter Dec Delay *Length of delay to decrement the COVL counter after device recovers from the latest overvoltage Fault*
0sec to 255sec (default = 10sec)

Protections: COVL: Recovery Time *Length of delay it takes for the COVL Protection to recover.*
0sec to 255sec (default = 15sec)



* Latch routine not entirely clear
Will require physical testing to verify.