



**Please Note:**

Sw = OL/CL switch

t = Timer (This is reset every new state)

Cf = Charge Flag

I = Total current going through battery

$\Delta I$  = Change in current during MPPT

$V_{Cell}$  = Single Cell voltage

$V_{Tot}$  = Total battery voltage

ERROR =  $(V > 3.7V \parallel V < 2.3V) \parallel (I > 260mA \parallel I < -505 \text{ mA})$

If Cf goes back to 0, go to discharge

If the next state condition has not been satisfied, stay in the same state