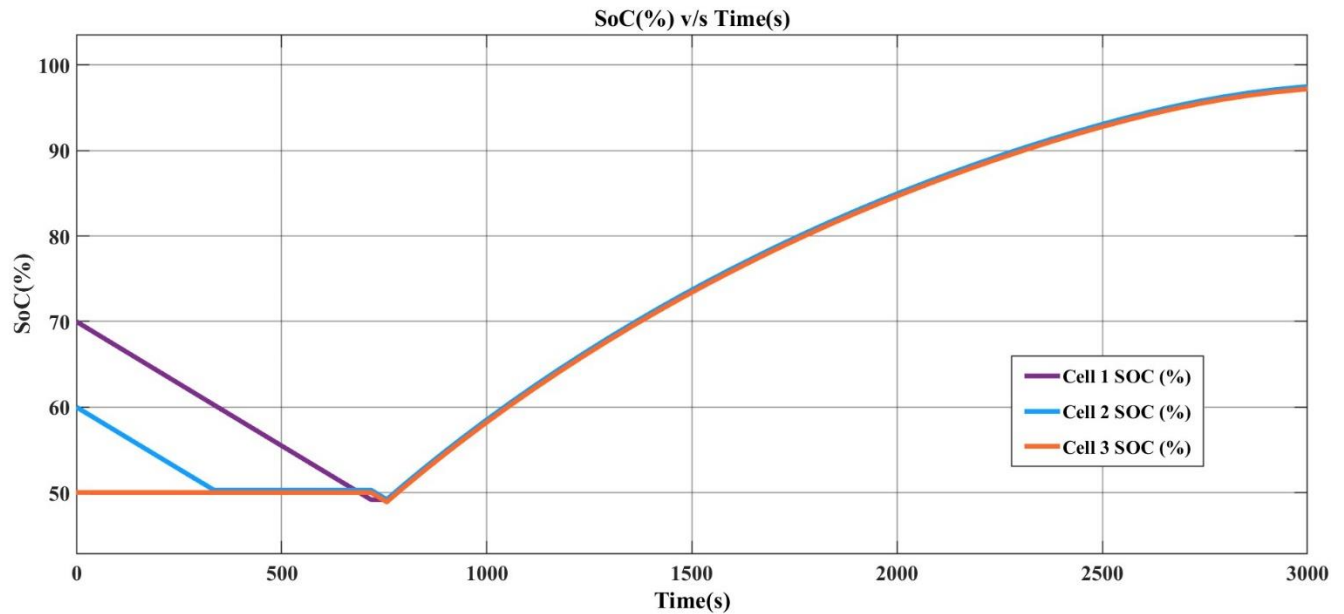## Balancing and Charging by Min SoC BSP Strategy :
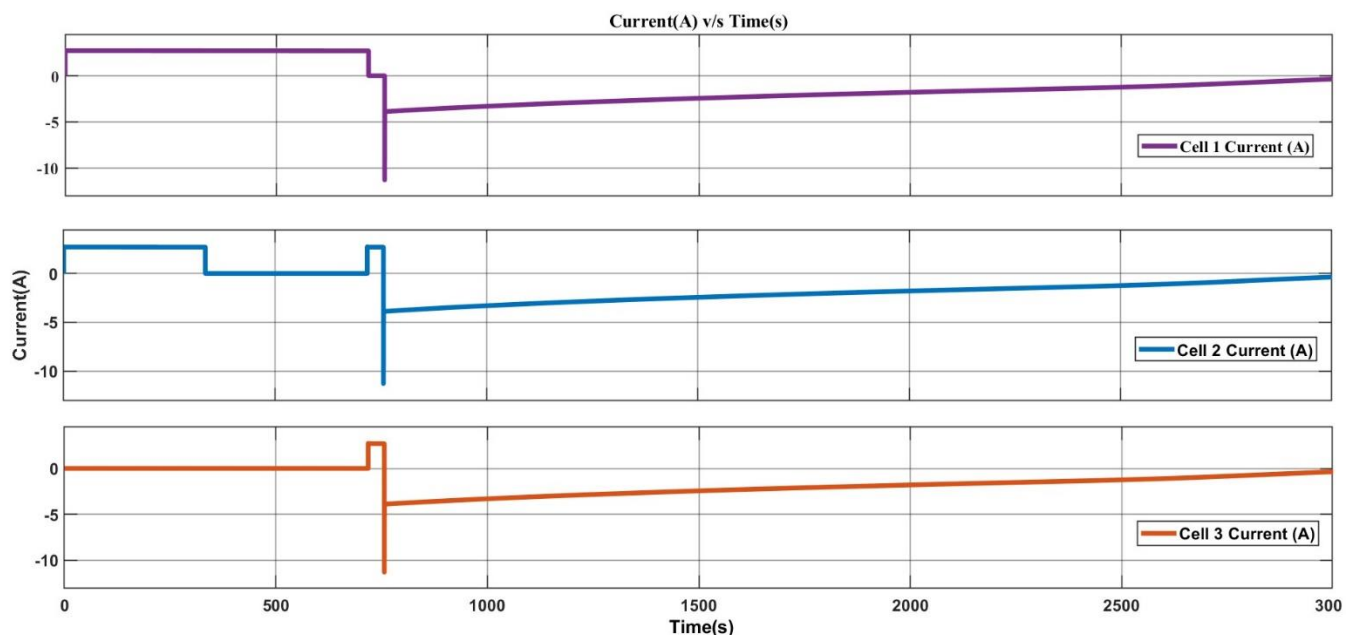
SoC Results :

Fig 1 : Balancing and Charging by Min SoC BSP Strategy

In the above **Fig 1** SoC result graph has shown in which the cell 2 balanced at 334 seconds and the cell 1 got balanced at 707 seconds. When all the 3 cells got balanced at 50% (Min) SoC then all the cells started to charge at 0.5C rate and after 3000 seconds all the cells charged at around 97% SoC.

Current Results :

Fig 2 : Current Results of Balancing and Charging by Min SoC BSP Strategy

In **Fig 2** at intial when cell 1 and cell 2 started discharging for balancing SoC then they flowing 2.7 A current. When cells got balanced then their currents becomes zero until all cells balanced. When all cells got balanced then a little spike in currents value can be seen because of switching actions.after balancing all cells flowing current of 2.7 A and it decreases with time.

Voltage Results :
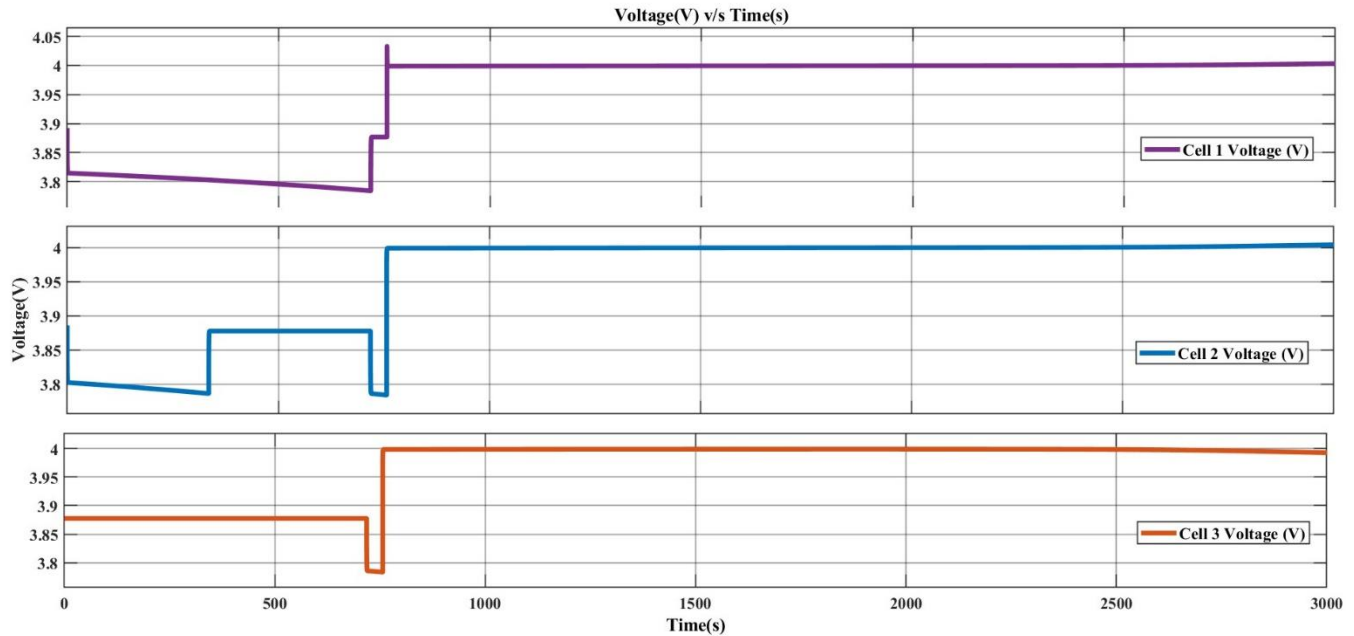
Fig 3 *: Voltage Results of Balancing and Charging by Min SoC BSP Strategy*

In **Fig 3** at initial all the cells have the voltage 3.8 V. when any cell got balanced then a little spike can be seen in voltage value because of switching action. When all cells got balanced then as soon as they started charging then their voltage value started increasing because of charging process because constant voltage source.