Balancing and Charging by Mean SoC BSP Strategy :

SoC Results :

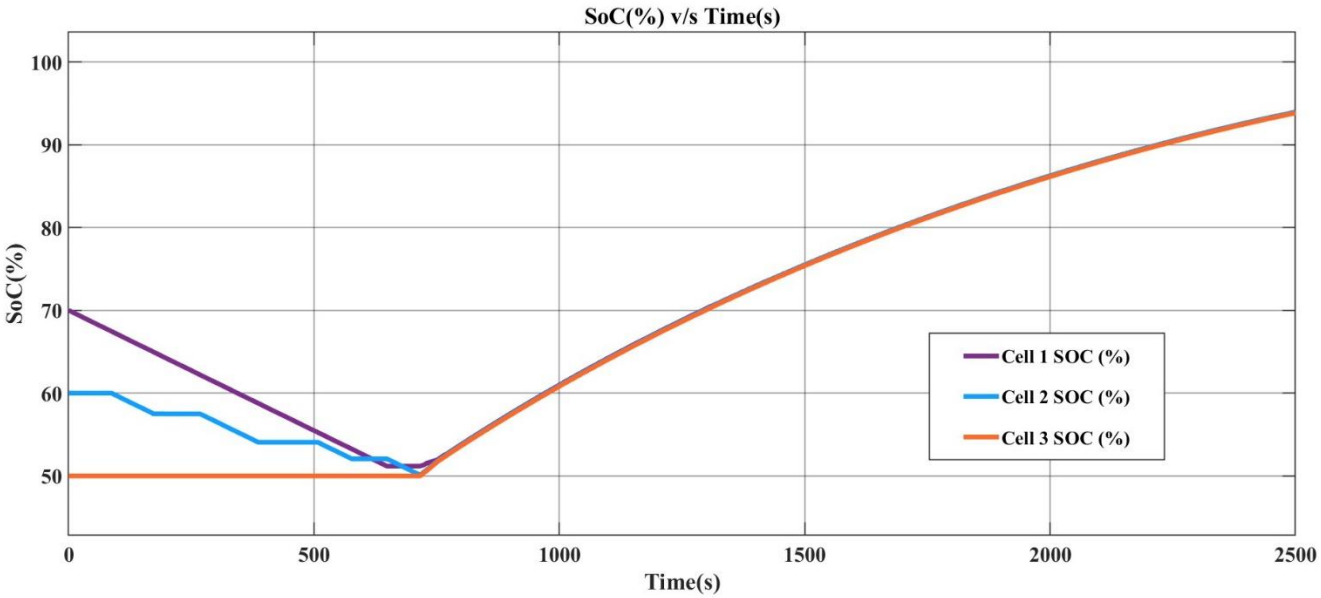

Fig 1 : *Balancing and Charging by Mean SoC BSP Strategy*

In **Fig 1** it has shown that all the 3 cells got balanced at their mean SoC at around 700 seconds. When all the cells got balaned then they started to charge at 0.5C rate and at around 2500 seconds all the cells charged at 94% SoC.

Current Results :

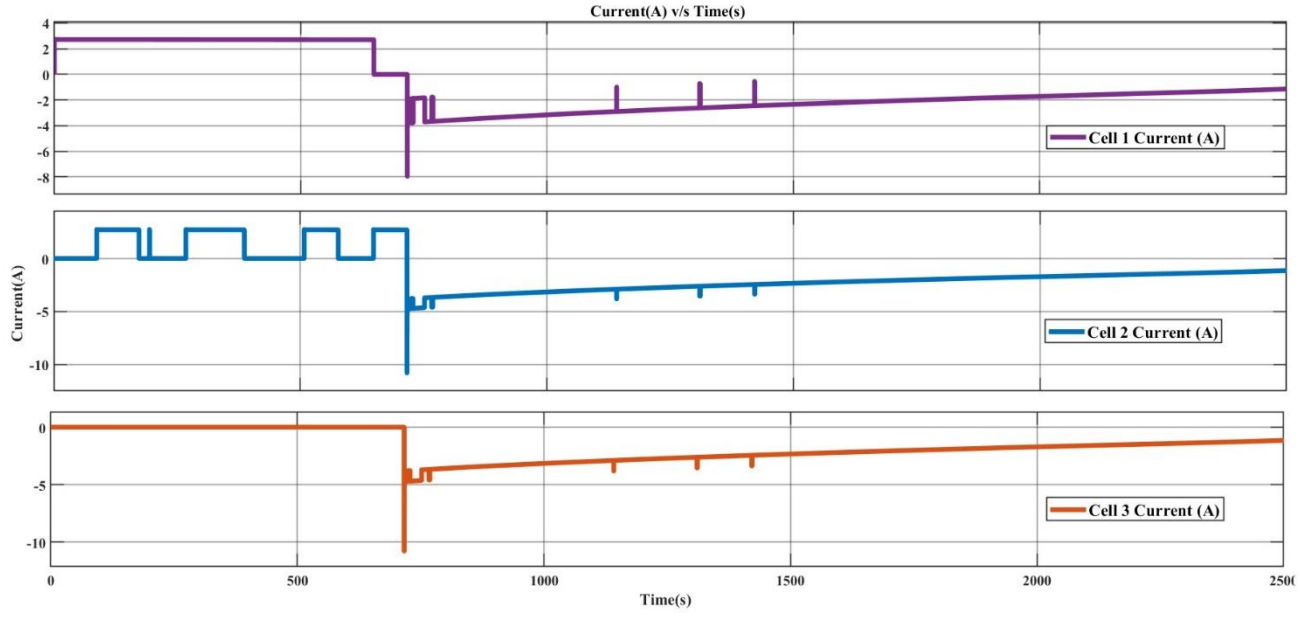

Fig 2 *: Current Results of Balancing and Charging by Mean SoC BSP Strategy*

In **Fig 2** at initial point cell 1 is flowing the 2.8 A current and cell 2 showing variations in currents value because its SoC is near around mean SoC and mean SoC is variates with time because of disharging of cell 1. When all cells got balanced then all the cell currents started to decreasing with time.

Voltage Results :

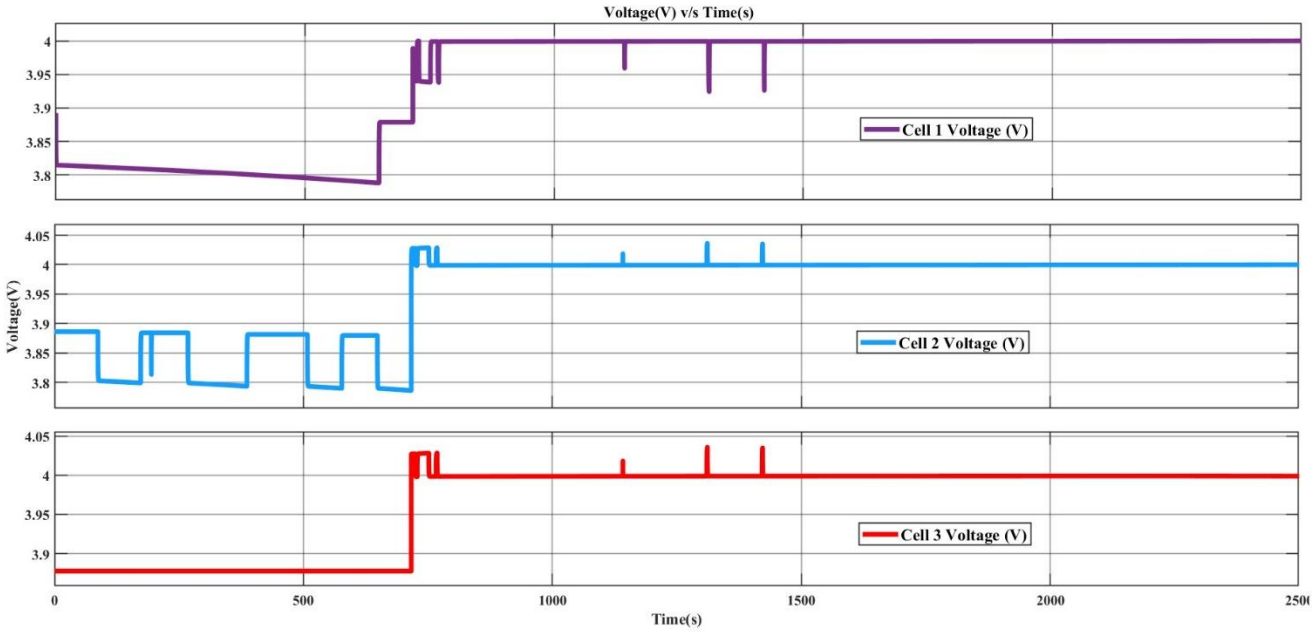

Fig 3 *: Voltage Results of Balancing and Charging by Mean SoC BSP Strategy*

In **Fig 3** At initial point cell 1 have voltage 3.8V and cell 2 showing variations in voltage value because its SoC is near around mean SoC and mean SoC is variates with time because of disharging of cell 1. When all cells got balanced then all cells have voltage 4V, which becomes constant because of charging process.