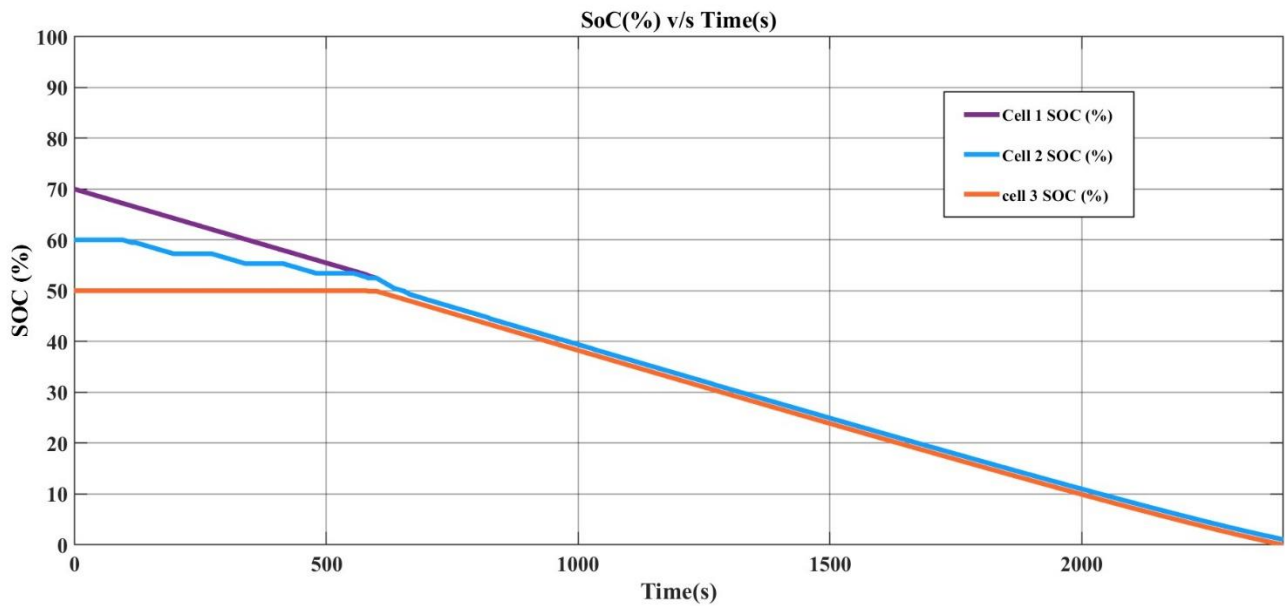


## Balancing and Discharging by Mean SoC BSP Strategy :

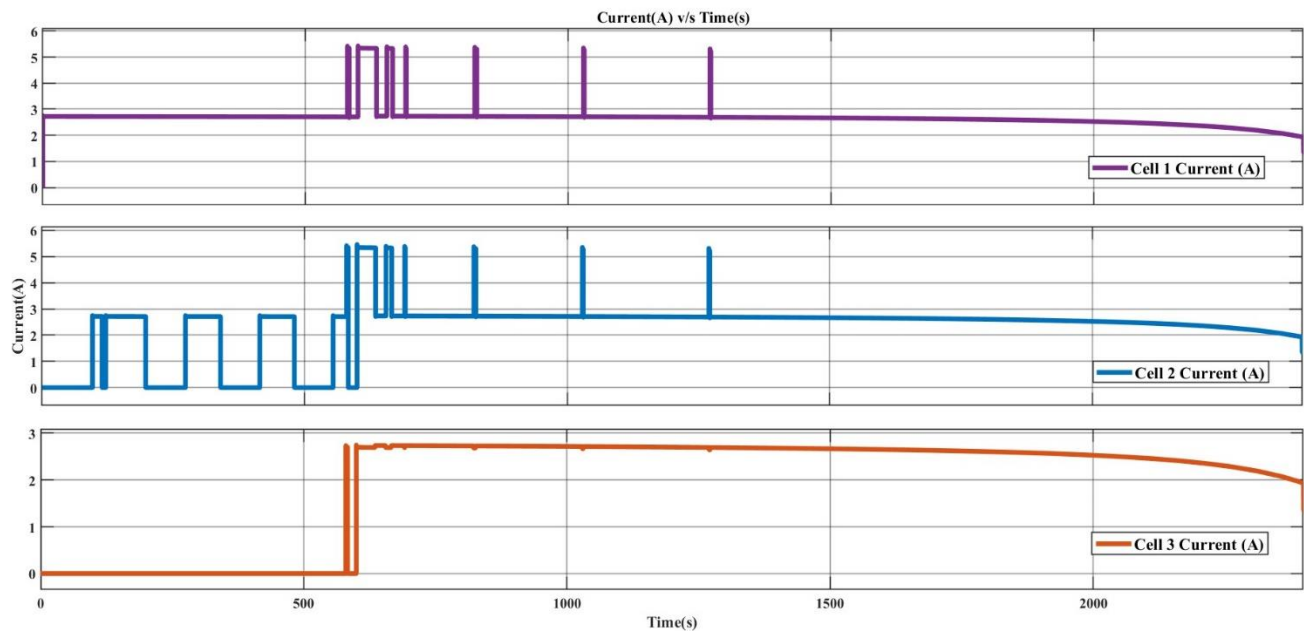
### SoC Results :



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

In the **Fig 1** it is shown that all the 3 cells got balanced at their mean SoC at around 590 seconds. When all the cells got balanced then they started to discharge at 0.5C rate and at around 2400 seconds all the cells discharged at 0% SoC.

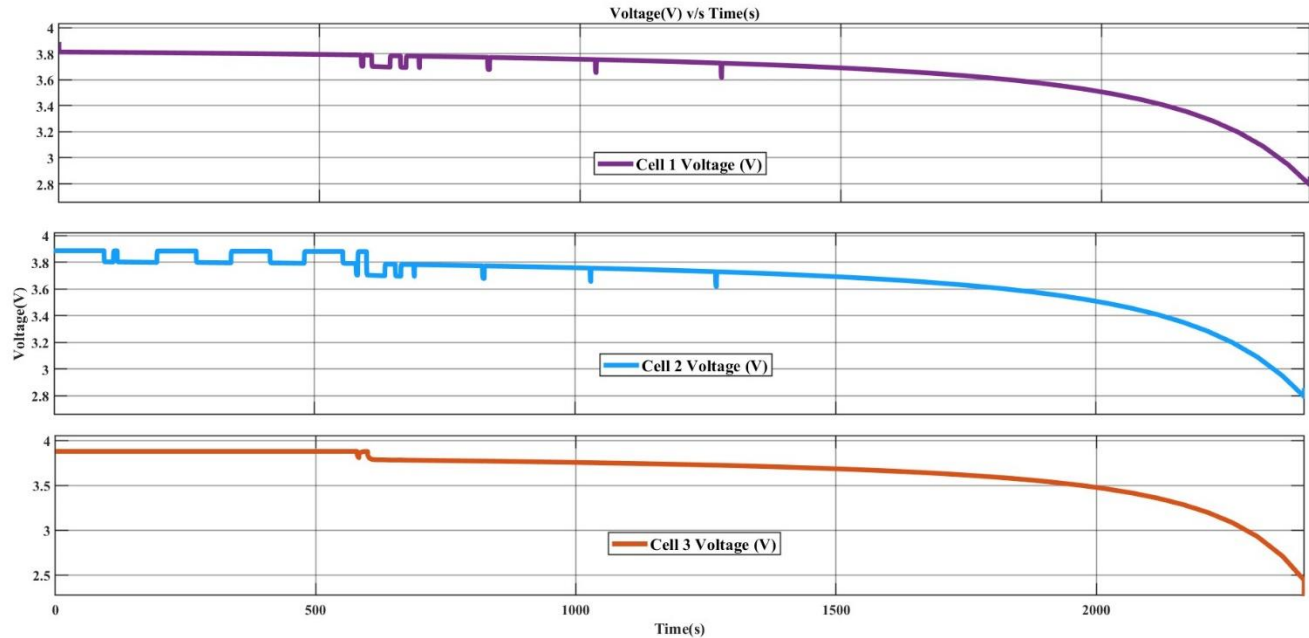
### Current Results :



**Fig 2 :** Current Results of Balancing and Discharging 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 discharging of cell 1. When all cells got balanced then they are flowing 2.8A of currents which is decreasing with time because of discharging process.

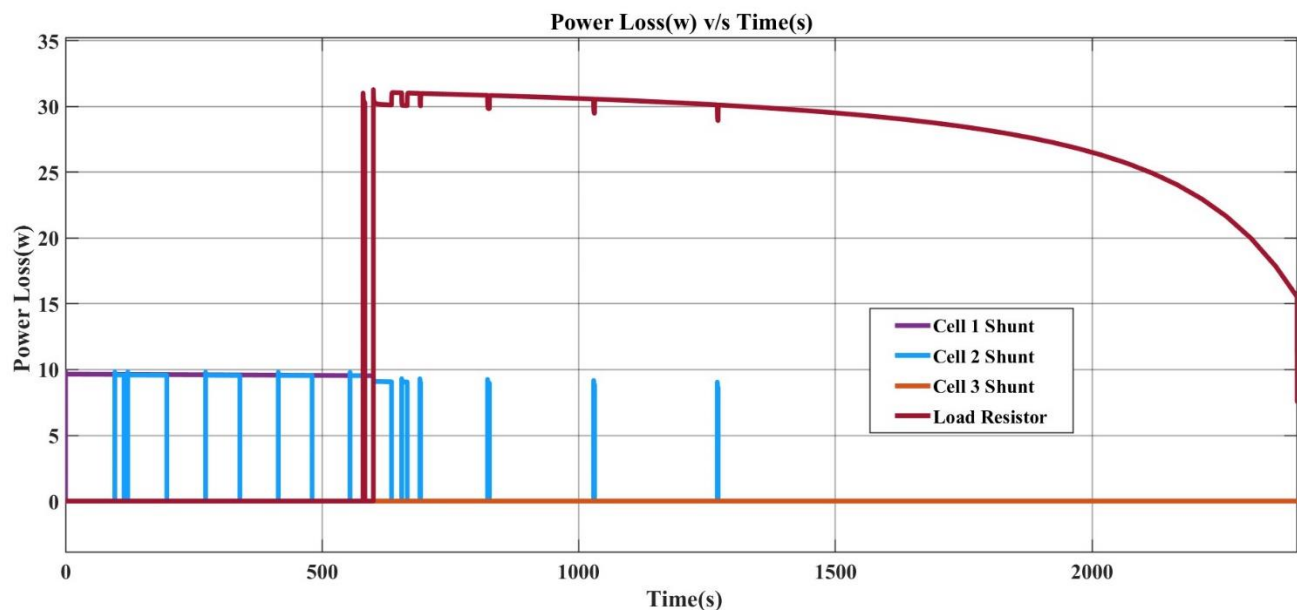
### Voltage Results :



**Fig 3 :** Voltage Results of Balancing and Discharging 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 discharging of cell 1. When all cells got balanced then all cells have voltage 3.8V. which is decreasing with time because of discharging process

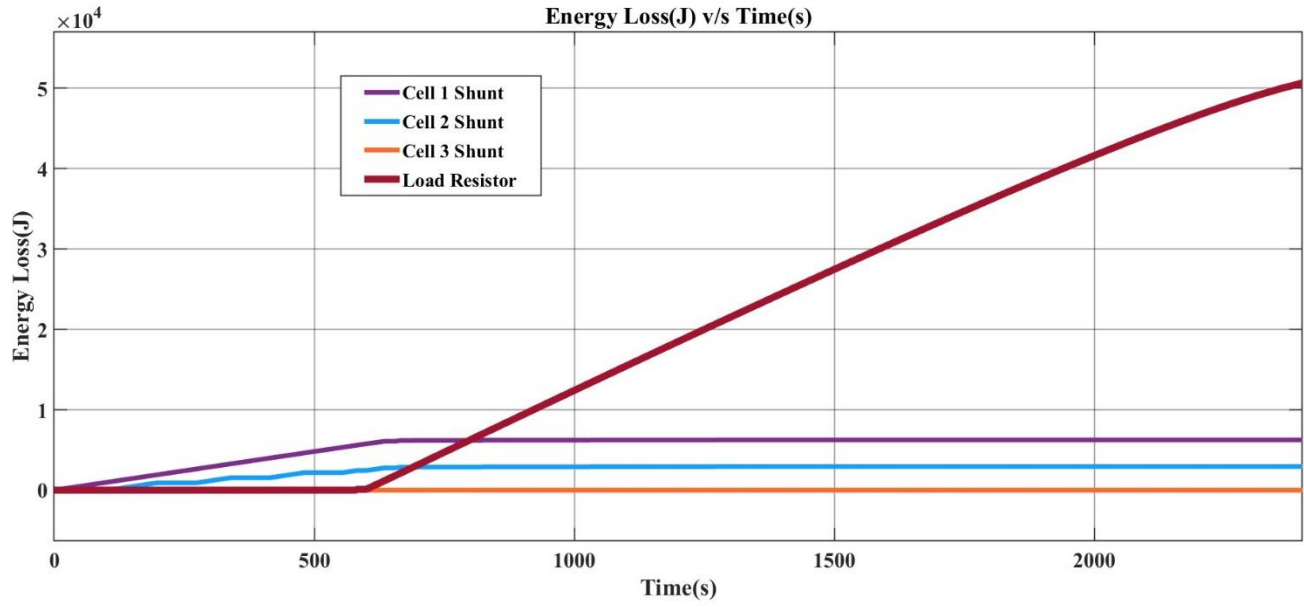
### Power Loss (By Cell Shunts and Load Resistors) Results :



**Fig 4 :** Power Loss Results of Balancing and Discharging by Mean SoC BSP Strategy

In **Fig 4** the power loss in the process of balancing and discharging of the 3S1P configuration of passive cell balancing by Mean SoC BSP Strategy has shown.

### Energy Loss (By Cell Shunts and Load Resistors) Results :



**Fig 5** : Energy Loss Results of Balancing and Discharging by Mean SoC BSP Strategy

In **Fig 5** the energy loss in the process of balancing and discharging of the 3S1P configuration of passive cell balancing by Mean SoC BSP Strategy has shown.