Power Switch Unit

Background

– Critical systems (load, ECU) directly linked to safety, comfort and convenience are getting increased and also it tends to increase dedicated batteries for each critical system.

Function

– Select critical systems and supply power to stop a vehicle according to a battery condition when the power is down or failed.

Feature

– Switch control algorithms contribute to reduce dedicated batteries for each critical system.

– Supply power for critical systems with interpolating 2 batteries. (main & 2nd)

– Critical systems can be added.

Performance/Specification

– Main Features

- ● Detect failures
  - - Failed power
  - - Overcurrent
  - - Overtemperature

- ● Cutout routes
- ● Precedence control
- ● Fail safe

System Figure