# [I-30370]  Stop the discharging process (Updated)

**Description:**

Use Case: "Stop the discharge process''  
Goal: stop discharging the vehicle battery

Context:The use case is built around ensuring that the electric vehicle's discharge system is controlled effectively to prevent complete battery depletion and to notify users of any faults or conditions that necessitate the stoppage of discharge.  
Scope: Discharge gun, SWP, Mobile app

Actor: User/driver, EV  
Preconditions:

1. The discharge process is in progress.

Triggers:

1. The vehicle is not in P mode
2. There is a failure to prohibit discharging
3. The discharge gun disconnected
4. Stop discharge commanded
5. The vehicle SOC is less than or equal to the discharge cutoff SOC
6. The DC charging gun is connected

Main Scenario:

1. The discharge process stops
2. The user is notified of all reasons for stopping discharging via out\_2, and out\_5
3. The discharge amount and stop SOC display on out\_2, and out\_5

Post-conditions:

1. Discharge process stopped

Alternativ scenarios:

1. stop discharging SOC
   * When the SOC reaches the predetermined threshold (10%, TBD), the system triggers a discharging stop protocol.
   * The discharge amount and stop SOC notification display on out\_2, and out\_5
   * When the HV SOC is above 10%, the user shall be able to choose to continue the discharge process.
2. stop discharge command via soft switch
   * The user initiates the stopping of the discharge process using a soft switch on the in\_2 SWP or through the in\_5 Mobile App
   * The out\_2 SWP and out\_5 Mobile App display a notification confirming that the discharging process has stopped.
3. discharging fault
   * In the case of electrical or system issues during the discharging process, the vehicle system stops the discharging process automatically to prevent any potential damage.
   * A notification is displayed to the user via the out\_2 SWP or out\_5 Mobile app, indicating the specific reason for stopping the discharge (e.g., "discharge fault," " discharge gun fault" "battery overheating" "The power of the external appliance is too high").