

EE-363 Power Electronics

Assignment # 5

Spring 2022

Due Date: 14th June ,2022

Question 1

Describe following type of batteries

- Lithium ion batteries
- Lithium polymer batteries
- Lithium phosphate ion batteries
- Lead acid batteries

Question 2

Explain following parameters of above discussed batteries

- Charging and discharging rate
- Instantaneous charging rate
- Charge density

Question 3

What are UAV drones and EVs

What batteries you recommend for these and why?

Question 4

Describe battery management system.