

Name: Ahmed Youssef Sobhy Elgoerany

Task 2.3:

For one battery,

$$\text{discharge time} = \frac{1}{C-\text{Rate}}$$

$$\text{discharge time} = \frac{1}{80} \text{ hr for one battery}$$

So,

let discharge time for n batteries $> 5 \text{ hr}$

$$\therefore n * \frac{1}{80} \text{ hr} > 5 \text{ hr}$$

$$\therefore n > 400$$
