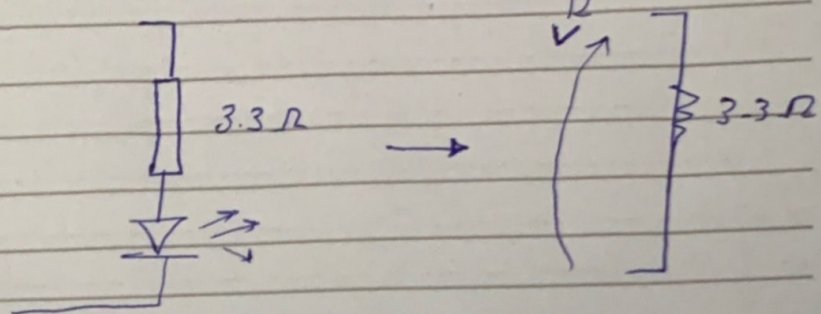


1.3]

Box of Shame



$$\text{Current} = \frac{12}{3.3} = 3.64 \text{ A}$$

$$\begin{aligned} \text{Capacity} = Q &= I \times t \\ &= 3.64 (5 \times 60 \times 60) \\ &= 65520 \text{ A}\cdot\text{s} \approx 18.2 \text{ AH} \end{aligned}$$

will be needed

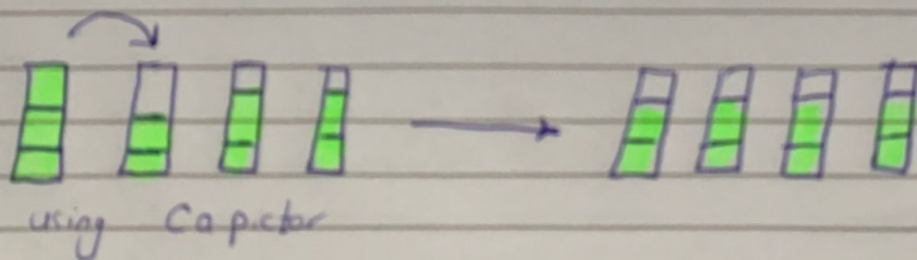
Each battery has 5.2 AH

$$\text{So no} = \frac{18.2}{5.2} = 3.5$$

So we will need 4 LiPo batteries

Bonus:

To solve the problem we can use active cell balancing BMS.



KMS