12V → motors (x3) 0.35A each → 4.2W
→ LED 0.660A → 7.92W
→ DC DC converter 5V η_{min} = 91%
↳ Jetson Nano (x2) 2.5A each → 25
↳ Limit switches (x3) 0.01A each → 0.1
↳ Driver

VRAE

$$P_{in} = 4.2 + 7.92 + \frac{1}{0.91}(25 + 0.15 + \sim 0)$$

$$= 39.76W$$

$$I_{in} = 3(0.35) + 0.660 + \underbrace{2.5 + 0.5}_{\text{worst}}$$
$$= 4.24A$$

Pick will work accordingly

PMU slightly more efficient than VRAE ~~&~~
but that is pushing the limit of P_{on}