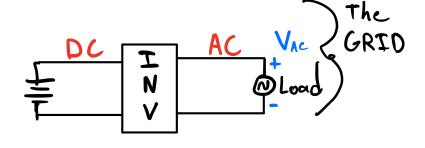
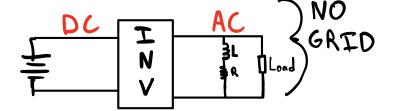
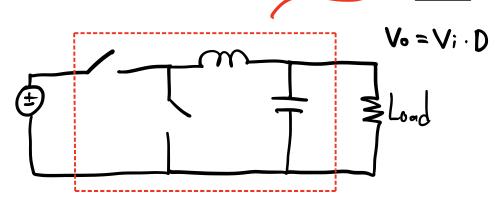
DC -> AC Inverters





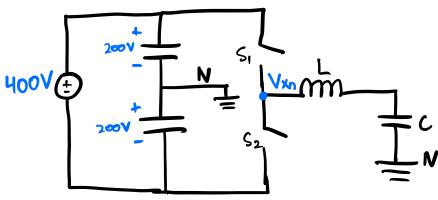


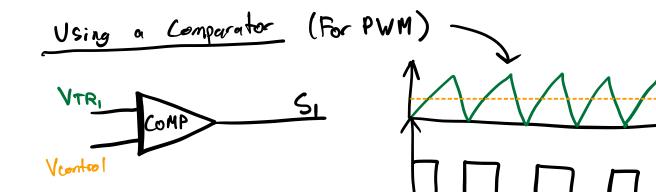


NO -> Use a Half-Bridge Instead

S1 is "ON" Vxn = 200V

52 is "ON" Vxn = - 200V





$$\langle V_0 \rangle = \frac{V_{\text{central}}}{V_{\text{p(triank)}}} \cdot \frac{V_{\text{in}}}{2}$$

$$\frac{\text{Deriving Vo(o)}}{\text{Vo}} = \frac{\text{Vcontrol}}{\text{Vp(triangle)}} \cdot \frac{\text{Vin}}{2}$$

$$\frac{\text{Vcontrol}}{\text{Vp(triangle)}} \cdot \frac{\text{Vin}}{2}$$

$$\frac{\text{Vcontrol}}{\text{Vo}} = \frac{\hat{\text{Vcontrol}}}{\hat{\text{Vo}}} \cdot \frac{\text{Sin}(W_i + 1)}{\hat{\text{Vi}}}$$

$$\frac{\hat{\text{Vin}}}{\hat{\text{Volume}}} \cdot \frac{\text{Vin}}{2}$$

-modulation Index