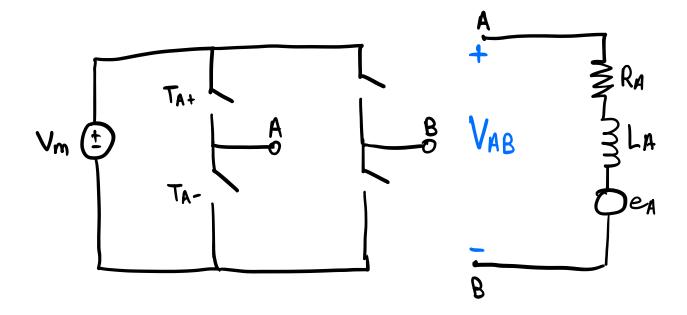
Golf-Cart (Full Bridge):



$$V_{AB} = V_m (D_A - D_B)$$

Pair Pair

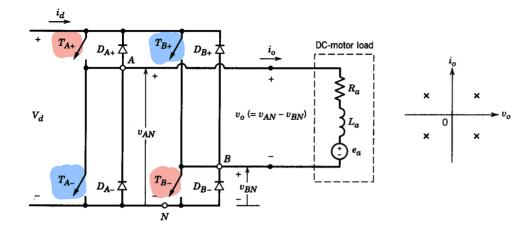
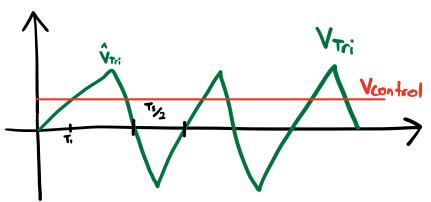


Figure 7-27 Full-bridge dc-dc converter.

Bipolar Mode:





$$D_1 = \frac{t_{on}}{T_S} = \frac{1}{2} \cdot \left(1 + \frac{V_{control}}{\hat{V}_{TG}}\right)$$

$$V_0 = V_m [2D_1 - 1]$$

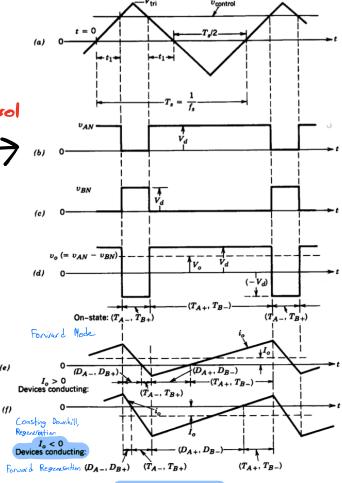
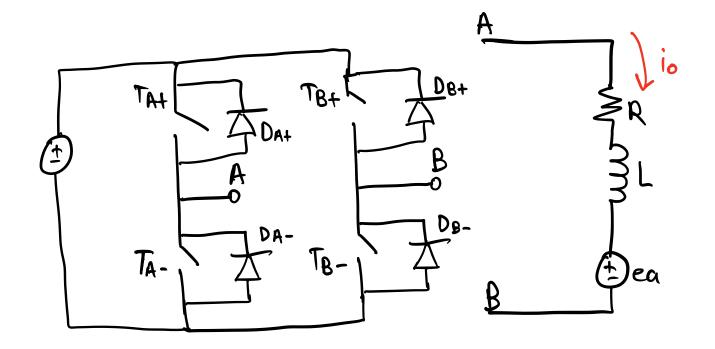
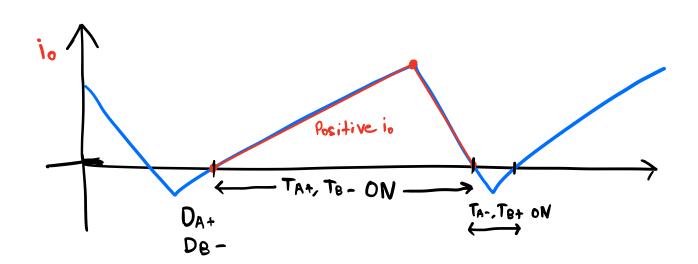


Figure 7-28 PWM with bipolar voltage switching.





Vcontrol > VTri -> TA+ 'ON'
Vcontrol L VTri -> TB+ 'ON'

TA+ and TA- Complementary Mobe
TB+ and TB- Complementary Mode

Unipolar:
fswx2 Double Switching featurery
-Smaller Ripple @ History fraguency