





NPTEL ONLINE CERTIFICATION COURSE

Charging Infrastructure

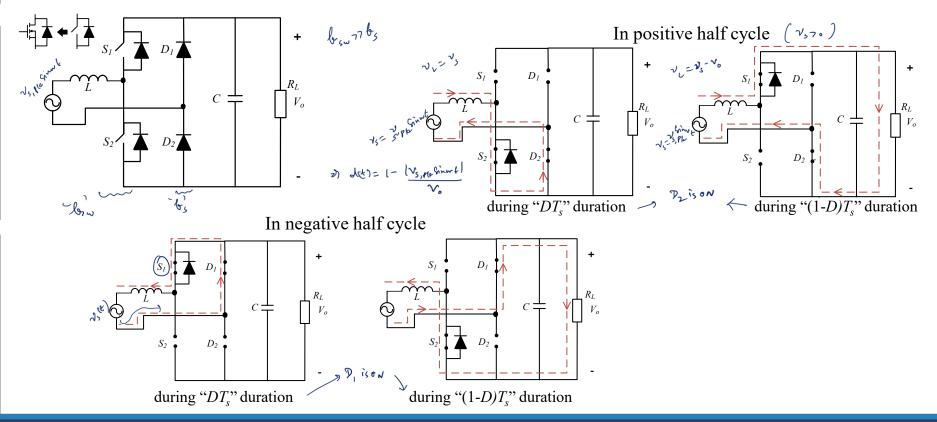
Lecture-18
Totem pole PFC Converter

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Totem pole PFC

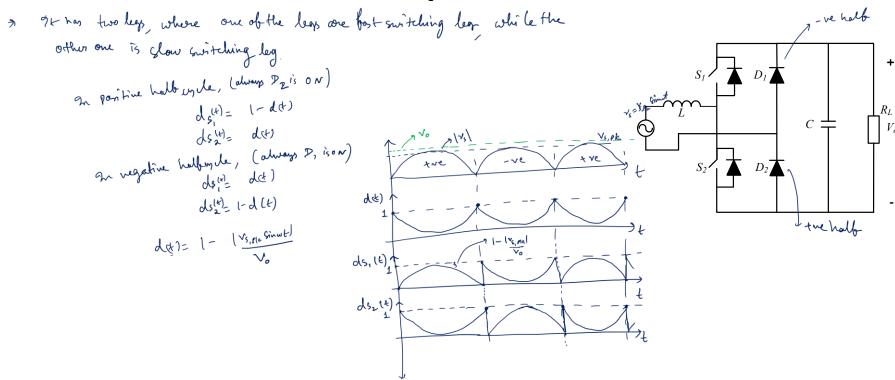








Totem pole PFC







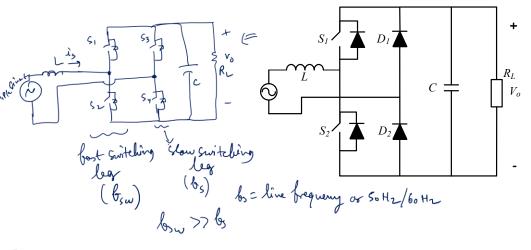


Totem pole PFC

1 Outy 2 devius are in conduction - les conduction lors
2 4 devius are needed

2 of the switching is having a low Switching breq. (came as that of line frequency) Les in reduing the switching lones

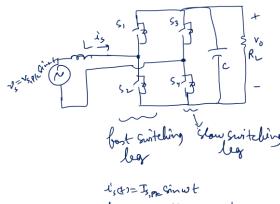
L, c - Some as that ob Boost PFC lare

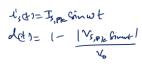




$$T_{53,rvs} = \sqrt{\frac{1}{7}} \int_{3}^{7} J_{5}^{2}(t) dt = \frac{T_{5,pk}}{2}$$

$$T_{54,rm} = \sqrt{\frac{1}{7}} \int_{3}^{7} J_{5}^{2}(t) dt = \frac{T_{5,pk}}{2}$$









Thank You





