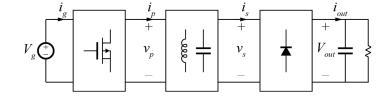
TBC Modulation Board

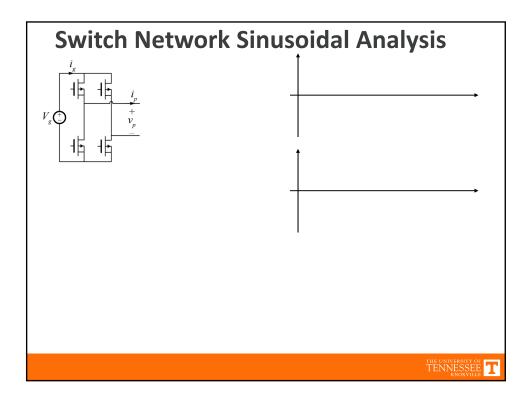
- Available for use
 - FPGA (Spartan 6) with 300 MHz clock
 - Including Verilog code for arbitrarily timed PWM signals
 - 8 isolated digital signals
 - 4 independent floating outputs (high side)
 - 4 isolated signals sharing one common ground
 - 15V supply with adjustable linear regulator
 - 2W maximum
- You may use any other signal source
- You must implement your own gate driver and any circuitry not mentioned here
- Connection by male header pins, layout posted to website by Monday

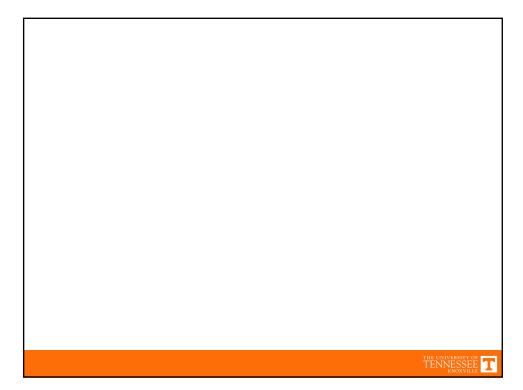


AC Link Waveforms

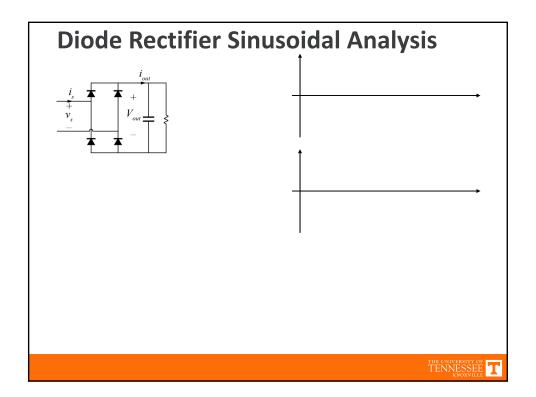


TENNESSEE T





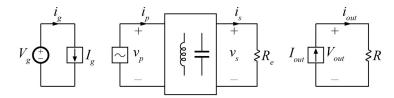
Switch Network Equivalent Circuit



Diode Rectifier Equivalent Circuit



Complete Equivalent Circuit



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