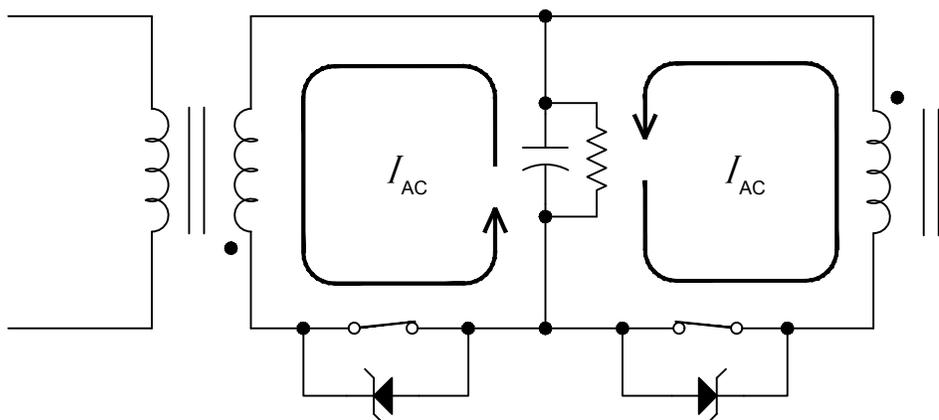
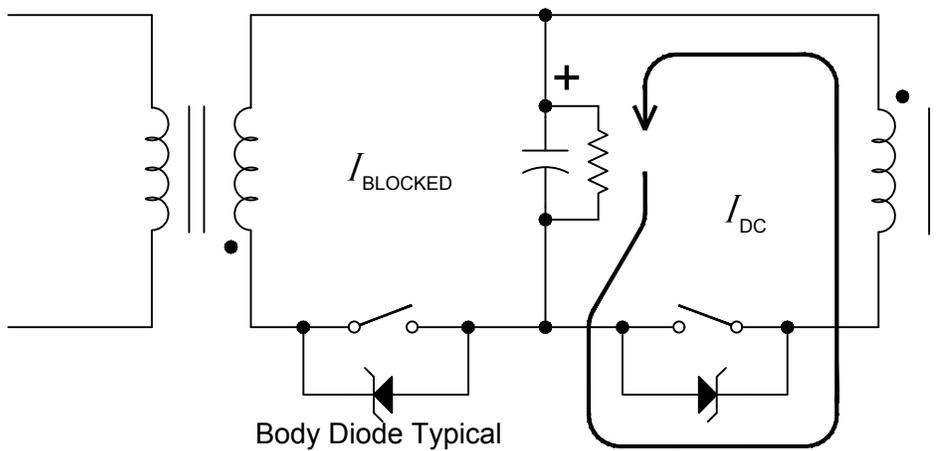


Backend Synchronous Diode Schematic



99% Condition
MOSFETS On
Circulating AC
Currents Cancel
Secondary is
Shorted out



5 ns to 1000 ns
Harvest Pulse
.1% - 5% Condition
MOSFETS Off

DC Pulse Collected
by Capacitor
Secondary is
connected to
Large Capacitor

Synchronous Diode

Simplified Theory of Operation
drafted 8/19/2016 by Mark McKay