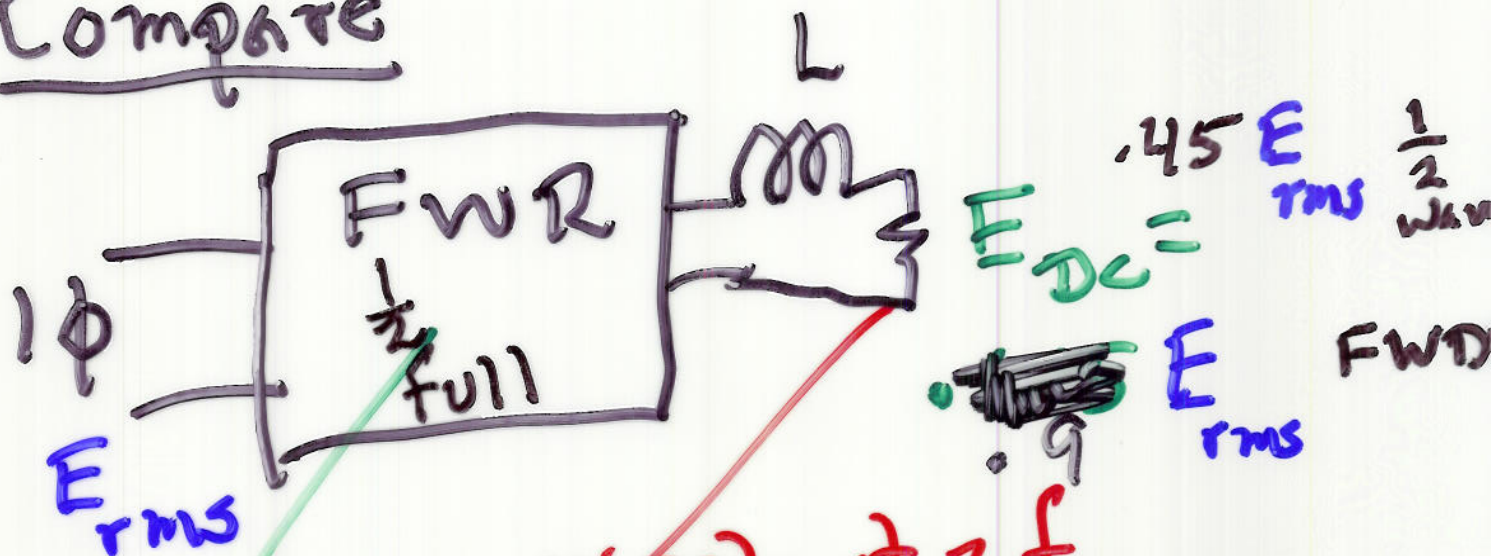
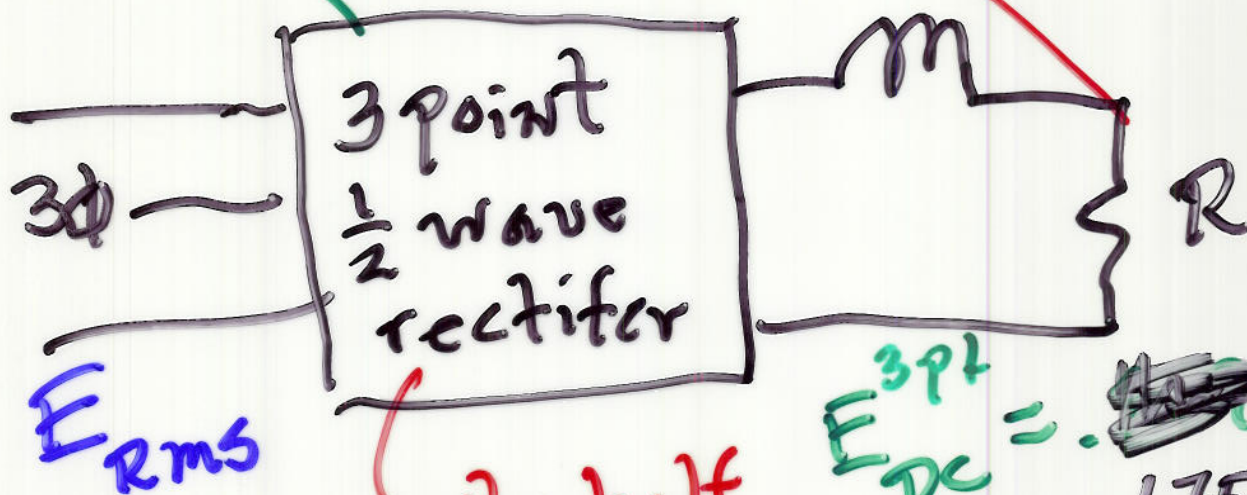


Compare



ripple at $2f$ mains
 $V=0$ at $0, 180, 360 \dots$

ripple at $3f$ mains
 Lowest $V = .5 V_{pk}$



only half of cycles used

$E_{DC}^{3\phi} = 1.35 E_{rms}$
 $E_{DC}^{6\phi} (full wave) = 1.35 E_{rms}$
 E_{DC}^{pk}
 $L-N$ voltage