

# Formula Sheet EE2E11

MaybE\_Tree

2022-09-07

Y and $\Delta$	Y	$\Delta$
	Voltage magnitude	$V_{LL} = \sqrt{3}V_f$
	Current Magnitude	$I_L = I_f$
	Phase angle	$V_{ab}$ leads $V_a$ by $30^\circ$
	Real Power	$Q = \sqrt{3}V_{LL}I_L \sin \phi$
	Imaginary Power	$Q = \sqrt{3}V_{LL}I_L \cos \phi$