



## Symmetrical Components Calculator Help Documentation

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This tool has been developed to calculate and display the symmetrical components associated with a given set of input voltages and/or currents. The resulting phasors for the input values and the calculated symmetrical component quantities are then displayed.

For the tool to work properly, values must be entered for all of the input quantities. Note that zero quantities may be entered for those quantities which are to be excluded from the calculations (ie. Voltages or currents).

When the calculate button is depressed, the symmetrical component quantities are calculated and the phasors for the input values and the calculated symmetrical component quantities are displayed graphically. The calculated magnitude and angle for each of the symmetrical components are also provided in the lower portion of the screen.

The notation used within the program for the symmetrical components is the following:

V1	Positive sequence voltage
V2	Negative sequence voltage
V0	Zero sequence voltage
I1	Positive sequence current
I2	Negative sequence current
I0	Zero sequence current

The reset button may be used to clear the values entered for all of the input quantities. For a hardcopy of the results, the printing function of the internet browser may be used.

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