

# Positive Sequence Voltage Source

On this page:

- [Available I/O pins](#)

The positive sequence voltage source is an ideal voltage source behind an internal series impedance. The parameter values for V, Rs, and Xs are in p.u.

## Voltage Source parameters

Symbol	Description	Unit
ID	Source name	a unique name
Bus	Bus name (Bus ID)	a unique name
Voltage (pu)	Nominal voltage magnitude	p.u.
Angle (deg)	Voltage angle	Degree
Rs (pu)	Series resistance	p.u.
Xs (pu)	Series reactance	p.u.

## Available I/O pins

No	Pin Description	Pin Type	Value/Unit	Instruction
1	Set/Get internal voltage magnitude of Vsource	I/O	p.u.	<b>VsourceID</b> /Vmag
2	Set/Get internal voltage angle of Vsource	I/O	Degree	<b>VsourceID</b> /Vang
3	Set/Get internal resistance and reactance of Vsource	I/O	p.u. (network base)	<b>VsourceID</b> /resistance <b>VsourceID</b> /reactance
4	Get injected current magnitude	O	p.u.	<b>VsourceID</b> /Imag
5	Get injected current angle	O	Degree	<b>VsourceID</b> /lang