**Component: Bus**

**Notes:**

* **The variable names in the first column are exactly copied from DiTTo in order to get the parameters in DiTTo easily.**
* **For ePHASORSIM, the symbols in the third column are put exactly same as the ePHASORSIM user guide and the demo examples.**
* **The DiTTo parameters which match the ePHASORSIM’s parameters are put in the same rows.**
* **If one or more parameters which are available in ePHASORSIM but not in DiTTo, in that case the corresponding columns of the Ditto are left empty or necessary suggestions are provided.**
* **The parameters which are available only in DiTTo but not in ePHASORSIM, in that case the corresponding columns of the ePHASORSIM are left empty.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Ditto | | ePHASORSIM | |  |  |
| Name of the variable | Description | Symbol | Description | Unit | Default value |
| name | This parameter is a list of positional points describing the line | Bus | Bus name per phase (Bus ID).  Need to do for the all three phases individually | Name must be unique |  |
| phases | This parameter is a list of all the phases at the node |  |  |
| nominal\_voltage | This parameter defines the base voltage at the node but no specification about the unit | Voltage (V) | Initial value for voltage magnitude of bus (phase to ground (RMS)) | Unit: V |  |
| This parameter is unavailable in DiTTo; please assume balanced system like, 0, 120, -120 degrees for the three phases. |  | Angle (deg) | Initial value for voltage angle of bus | Unit: Degree |  |
| Positions | This parameter is a list of positional points describing the line |  |  |  |  |

Example: in ePHASORSIM

