

TPS62825A PSpice Transient Model Features and Limitations

Model Usage Notes:

A. Features have been modelled

1. Startup and steady state
2. Current Limit and Hiccup mode of operation
3. Pre-bias operation
4. Line and Load transient behaviour
5. Enable and shutdown sequencing
6. Output Discharge Current
7. FPWM mode

B. Features have not been modeled

1. Operating Quiescent Current
2. Shutdown Current
3. Temperature dependent characteristics
4. Ground pins have been tied to 0V internally. Therefore, this model cannot be used for inverting topologies.

C. Application Notes

1. The parameter SS has been used to reach the steady state faster. Keep SS = 0 to observe startup behaviour and SS = 1 for faster Steady state.