TPS62827 PSpice Transient Model Features and Limitations

Model Usage Notes:

A. Features have been modelled
1. Current Limit and Hiccup mode of operation
2. Pre-bias operation
3. Line and Load transient behaviour
4. Enable and shutdown sequencing
5. Output Discharge Current

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