

## Model Usage Notes:

### A. Features have been modelled

1. Switching Characteristics
2. Current limits (Maximum valley and peak, minimum peak and negative current limit)
3. Synchronization to external clock
4. Power good
5. under voltage protection
6. Dropout mode and graceful recovery.
7. Inverting buck boost Configuration

### B. Features have not been modelled

1. Operating Quiescent Current
2. Shutdown Current
3. Temperature dependent characteristics

### C. Application Notes

1. The parameter STEADY\_STATE has been used to reach the steady state faster.  
Keep STEADY\_STATE = 0 to observe start up behaviour.  
Keep STEADY\_STATE = 1 and appropriate IC on Inductor and capacitor to observe for faster Steady state.
2. The parameter FASTSS has been used to reach the steady state faster.  
Keep FASTSS = 0 to observe normal startup behaviour.  
Keep FASTSS=1 to reduce the startup time to 1.75ms.