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* Model Usage Notes:
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* 1. The following features have been modeled
*   a. Power Good Shutdown and Enable
*   b. High side Mosfet current Limit
*   c. Negative current limit
*   d. HICCUP functionality
* 2. Temperature effects are not modeled.
* 3. The following parameters are used in the model:
*   a. rds1s: This parameter denotes Low side MOSFET On resistance.
*   b. imaxneg: This parameter denotes maximum negative inductor current.
*   c. iminpk: This parameter denotes minimum peak inductor current.
*   d. vcomp_min: This parameter denotes minimum value of COMP.
*   e. rds1s: This parameter denotes High side MOSFET On resistance.
*   f. vcomp_maxpk: This parameter denotes maximum value of COMP.
*   g. rsense_hs: This parameter denotes Sense resistance for inductor current
*   h. imaxvy: This parameter denotes Maximum valley current limit
*   i. MODE - used for simulating the model either in Start up (MODE=0) or in Steady State (MODE=1).
*   j. FASTSS - used for reducing the Soft start time and Hiccup retry time.
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