

# Design Tools

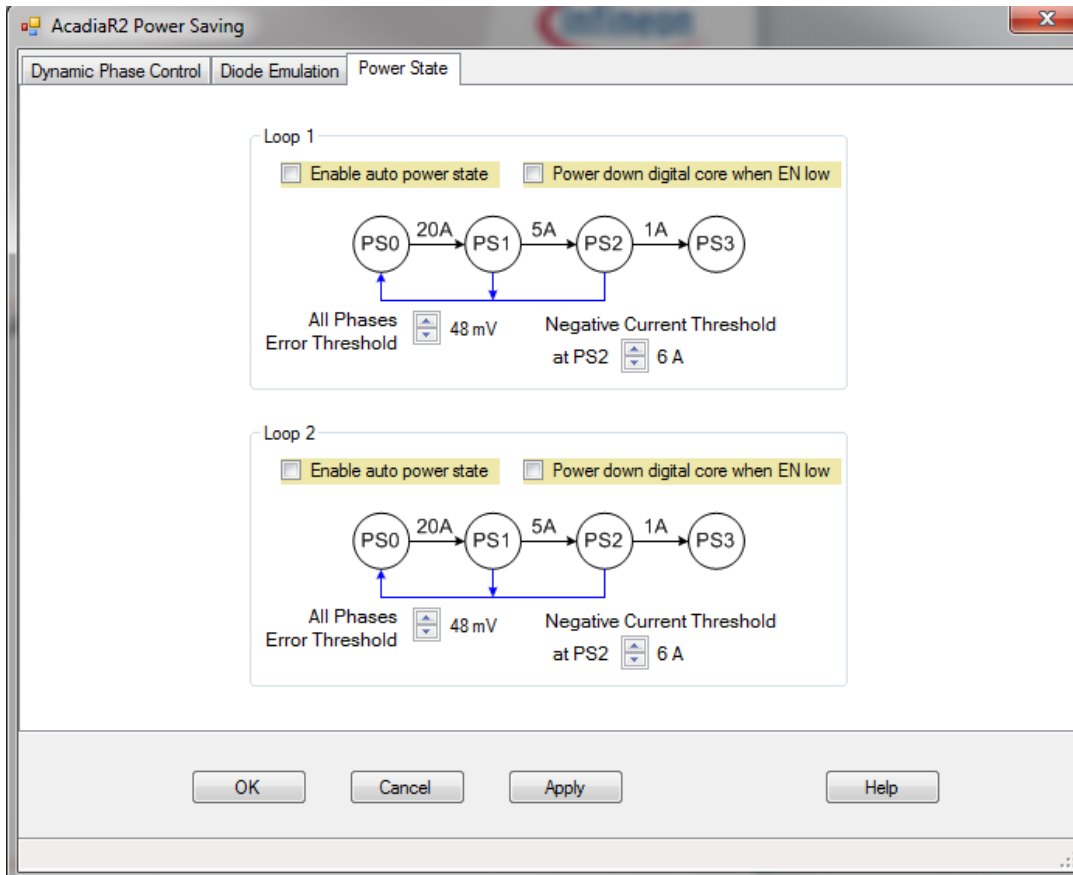
## Power Saving



### 7. Power Saving

Power Saving Mode, Diode Emulation, Current Threshold

Use this tool to control phases, diode emulation, and power saving states when the device is running light load.



### Power State Explanation

Acadia uses power states to set power saving modes. User can let the controller autonomously step through the power states based on output current

**PS0** – Full power operation, all phases are operating.

**PS1** – Light load (<20A), 1-2 phase operation

**PS2** – Very light load (<5A), 1 phase operation in diode emulation

**PS3** – Idle Load (<1A), 1 phase operation in diode emulation with additional disabling of internal current sense amplifiers within the controller.