

# On/Off Settings

## **Start-up Rate Option**

-Controls the rate (mV/µs) of which the controller will ramp up VOUT to the desired **Vboot** voltage or the rate for shutdown if in Programmed Shutdown mode. Start-Up and Shutdown rate can differ from each other if so selected by **Start-up/shutdown** rate selection

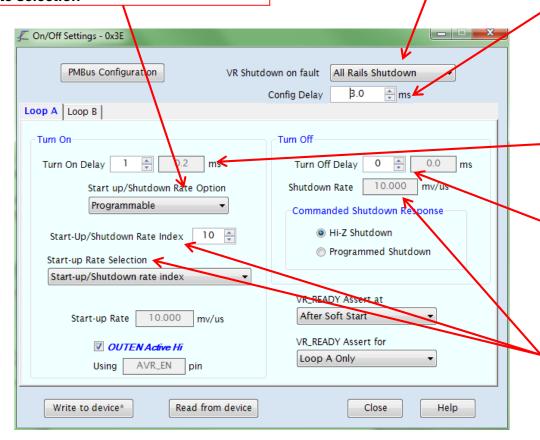
#### **VR Shutdown on Fault**

- -All rails shutdown: all rails will shutdown due to shutdown fault
- -Fault rails only: only faulted rail(s) will shutdown due to shutdown fault

# **Config Delay**

- This delay is introduced after the rising
  3.3Volt supply passes UVLO to ensure the voltage completely settles
- -After this delay, the VR will initialize the analog measurements which are sensitive to the integrity of 3.3Volt supply.

Typical set to 3.0



#### **Turn On Delay**

Time from Enable signal until Vout start to ramp up.

### **Turn Off Delay**

Time from Enable signal goes away until Vout start fall.

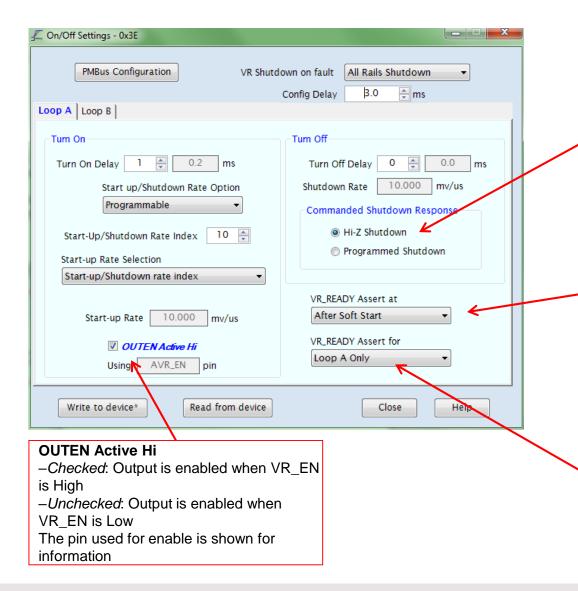
## Start-up/shutdown rate selection

Start upp ramp can be selected to be equal to or slower than the ramp for Turn off. This is usefull when poweruing up a large capacitor bank as the slew rate can be set lower to avoid too high peak currents

The selected slew rate in mV/us for up/down is displayed for information



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### **Commanded Shutdown Response**

Hi-Z Shutdown: Forces both the HS and LS
 FETs to tri-state when the VR is turned off
 Programmed Shutdown: VOUT ramps down with the rate specified in the Shutdown Rate

#### **VR READY Assert at**

After Soft Start – VR\_READY is asserted after the soft start ramp to VBoot is complete. This is the appropriate setting for VR13 application.
 Beginning of Soft Start - VR\_READY is asserted after VR\_EN is asserted when the controller is

ready to accept SVID commands. This is the appropriate setting for **IMVP8 applications** 

### **VR READY Asserts for**

-Loop A only – VR\_READY pin assertion for Loop A only. This is the appropriate setting where loop independent VR\_READY signals are needed.

-All Active Loops – VR\_READY pin assertion for all active loops. This is the appropriate setting where there is only one VR\_READY signal for multiple loops.



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