



## Test Procedure for the NCV8871FLYGEVB Evaluation Board

### Equipment:

1. 2 DC Power Supplies
2. Digital Volt Meter
3. Digital Ampere Meter
4. Electronic Load

### Test Procedure:

1. Connect the test setup as shown above.
2. Make sure the load is not enabled.
3. Apply an enable voltage  $V_{EN}=0V$ . Apply an input voltage,  $V_{IN} = 13.2 V$ .  $V_{OUT}$  *should be 0V*.
4. Apply an enable voltage  $V_{EN}=3V$ . Verify that the *output voltage is 12 V +/-0.25 V*.
5. Set up the **load to 2.0A** and **enable** it. Verify that the *output voltage is still 12 V +/-0.25 V*.
6. Change the **input voltage to 25 V**. Verify that the *output voltage is 12 V +/-0.25 V*.
7. Change the **input voltage to 6 V**. Verify that the *output voltage is 12 V +/-0.25 V*.
8. Apply an enable voltage  $V_{EN}=0V$ .  $V_{OUT}$  *should be 0V*.
9. Turn off the DC sources.