

Test Procedure for the 48W DC input demo board

ON Semiconductor®



The following steps detail the test procedure for 48W demoboard:

Necessary Equipment:

- 1 Current limited 100 ~ 400V DC source (current limited to avoid board destruction in case of a defective part) (e.g. Chroma 62012P-600-8)
- 1 Power Meter (e.g. YOKOGAWA WT210)
- 1 DC Volt-Meter able to measure up to 50V DC. (e.g. Agilent 34401A)
- 1 DC Amp-Meter able to measure up to 5A DC. (e.g. Agilent 34401A)
- 1 DC Electronic Load 0 - 60A (e.g. Chroma 6312A with 63115A Module)

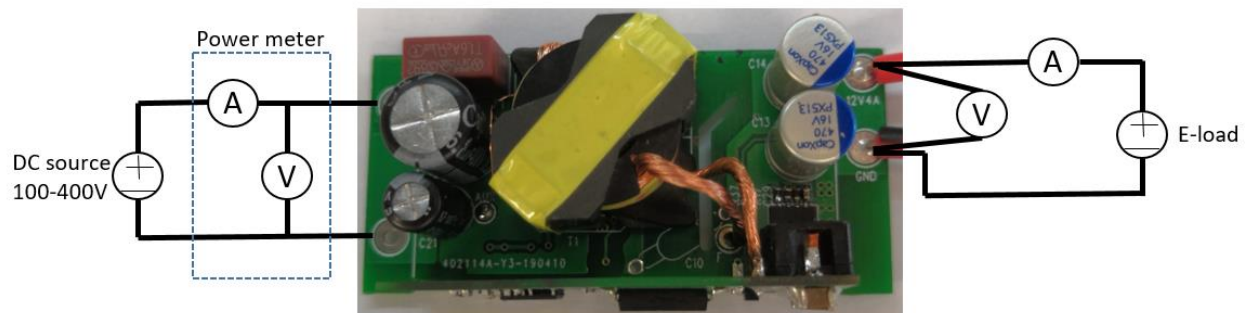


Figure 1: Test Setup for 48W PD Demoboard

Test Procedure:

1. Connect the test setup as shown in Figure 1.
2. Apply an input voltage, $V_{in} = 100 - 400V_{dc}$
3. Apply $I_{out}(load) = 0A$
4. Power on
5. Check V_{out} if it is 12V
6. Apply $I_{out}=4A$
7. Check V_{out} if it is 12V
8. Power off
9. End of test