

Inverter Installation Testing Procedures

10-11-2022

This step-by-step procedure is designed to ensure proper installation of the Progressive Dynamics PD1600 series inverter has been achieved. All steps must be performed in the order presented. Any failures must be corrected before repeating the test and continuing. Failure to pass each test in the order presented may cause severe damage to the inverter.

Pre-test setup:

Turn off ALL circuit breakers in the AC Distribution Panel and apply Shore Power to the RV. Connect battery power to the Inverter.

Inverter Testing Procedure:

1. From the inverter display or the remote, turn on the inverter. Verify AC power at the inverter designated receptacles and/or appliances. The display should indicate the inverter is operating and provides voltage and power readings. Turn off the inverter

This test confirms operation of the inverter and power to the designated circuits.

2. From the AC breaker panel, activate the 50-amp MAIN breaker and the Inverter branch breaker. Verify AC power at the designated receptacles and/or appliances.

This confirms the AC pass-thru function of the inverter.

3. At the inverter display or remote, turn on the inverter. The panel will indicate the inverter is on with voltage, but there will be no power reading. Confirm AC power at the inverter designated receptacles and/or appliances.

This confirms the inverter recognizes shore power and passes thru to the branch.

4. Turn off the inverter branch breaker in the AC panel. The inverter display will show the inverter is on and will show the voltage and power. Confirm AC power at the inverter designated receptacles and/or appliances.

This confirms inverter takeover at the loss of shore power.

5. Turn on the inverter branch breaker. The inverter will revert to pass thru. The display will still read voltage but not power.

This confirms full inverter operation with and without shore power.