

3-Phase Solar PV Inverter-Based System Verification Test Procedure

(Sample procedure for 3-phase inverters)

Customer Name: _____ **Customer CH Acct#:** _____

Customer Address: _____

Testing Procedure Steps:

1. Make sure that the PV system is online and the breakers are closed.
2. Open the PV AC disconnect switch. Verify that the inverter(s) shut down immediately.

Check here to verify the inverter(s) shutdown immediately in accordance with the manufacturer's specification.

3. Close the PV AC disconnect switch and note the inverter(s) should not reconnect for at least 5 minutes.

ΔT = Time system reconnected (mm:ss) - Time AC point of disconnect is closed (mm:ss)

- Visually verify that the inverters have stopped exporting power (during this five-minute interval) by looking at the LED's on each inverter and verifying that the amber LED is lit.

Inverter #: 1	ΔT: _____:_____ (mm:ss)	Greater than 5 minutes? Circle:	Yes	No
Inverter #: 2	ΔT: _____:_____ (mm:ss)	Greater than 5 minutes? Circle:	Yes	No
Inverter #: 3	ΔT: _____:_____ (mm:ss)	Greater than 5 minutes? Circle:	Yes	No
Inverter #: 4	ΔT: _____:_____ (mm:ss)	Greater than 5 minutes? Circle:	Yes	No
Inverter #: 5	ΔT: _____:_____ (mm:ss)	Greater than 5 minutes? Circle:	Yes	No

4. Ensure inverter(s) shutdown immediately with loss of any leg and then verify 5 minute reconnection delay.

Disconnect Phase A – Inverter(s) shutdown immediately? **Yes / No**
Reconnect Phase A – Verify inverter(s) did not reconnect for at least 5 minutes.

Disconnect Phase B – Inverter(s) shutdown immediately? **Yes / No**
Reconnect Phase B – Verify inverter(s) did not reconnect for at least 5 minutes.

Disconnect Phase C – Inverter(s) shutdown immediately? **Yes / No**
Reconnect Phase C – Verify inverter(s) did not reconnect for at least 5 minutes.

Test Completed By:

Company Name _____ **Date Test Performed** _____

Name _____ **Weather Conditions** _____

Signature _____