**Solshare Anti-islanding Functionality Test Results**

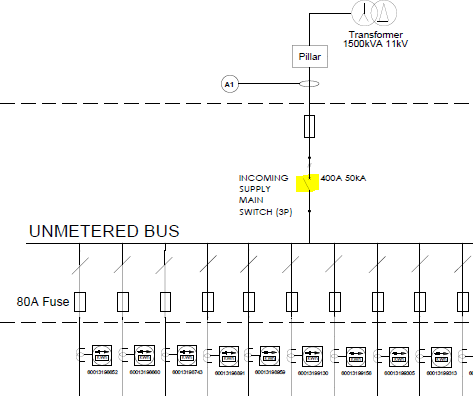
Project:

Site Address:

NMI:

## Test 1: Overall anti-islanding test

|  |  |
| --- | --- |
| Autodisconnect timing test | Result (Pass/Fail) |
| Disconnect grid supply by switching off incoming supply main switch, confirm if inverter disconnects within 2s. |  |



|  |  |
| --- | --- |
| Reconnection Timing Test | Result (Pass/Fail) |
| Connect grid supply by turning on Incoming supply main switch, confirm if inverter reconnection is greater than 60s. |  |

**Test 2: Individual apartment unit anti-islanding test**

Notes: Refer to Appendix A for test procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Solshare Unit No. | Serial No. | Autodisconnect Timing Test done for 3 apartment units connected to each Solshare (while the incoming supply main switch is on)  Result (Pass/Fail) | Reconnection Timing Test done for 3 apartment units connected to each Solshare (while the incoming supply main switch is on)  Result (Pass/Fail) | Action Required? (any apartment that did not pass the test) |
| 1 |  |  |  |  |
|  |  |  |  |  |

Commissioning Technician

Company Signature

Date

## Appendix A

SOLSHARE Anti-Islanding Commissioning Test

# Auto Disconnect Timing Test

1. Open Allume SOLSHARE enclosure to view relay indicator lights for each unit. These are green lights indicating that solar is connected to that unit. If the unit being tested is not currently connected to the solar, disconnect other units on the same phase (one by one) from the solar until that unit becomes connected.
2. Disconnect the main power supply to the unit by turning off the “Normal Supply Main Switch”. This

will disconnect mains power from the grid for that unit.

1. The relay for that unit must automatically open itself within 2 seconds of the main switch being turned off. (Check this by monitoring the relay light for that unit, the light switching off corresponds to the relay opening). Time how long the unit takes to disconnect.
2. If the inverter fails to automatically disconnect within 2 seconds then the solar PV system must be isolated from the premise. Additionally, the ‘Solar Supply Main Isolator Switch’ should also be turned off until the system can be serviced by an Allume Energy technician.

Perform steps 1-4 for all units connected to the shared solar system.

If your Auto Disconnect Timing Test is successful then start the Reconnection Timing Test.

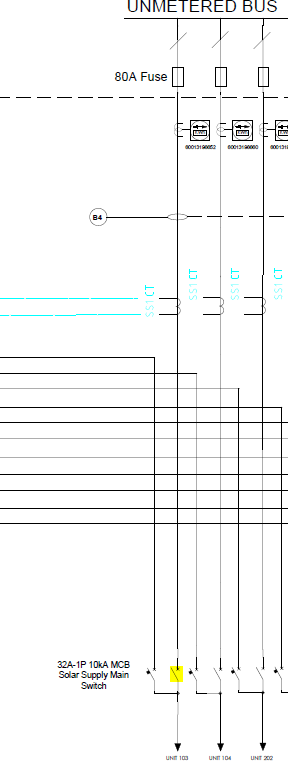
# Reconnection Timing Test

1. Reconnect the main power supply to the unit by turning on the “Normal Supply Main Switch”. This

will reconnect the mains power from the grid.

1. The relay for that unit must not reconnect within 60 seconds of the mains switch being turned on. (Check this by monitoring the relay light for that unit, the light switching on corresponds to the relay closing, re-establishing solar connection). Time how long the unit takes to connect.
2. If the relay reconnects within 60 seconds then the test has failed and the solar PV system must be isolated from the premise. Additionally the ‘Solar Supply Main Isolator Switch’ must also be turned off until the system can be serviced or repaired by an Allume Energy technician.

Perform steps 1-3 for all units connected to the shared solar system.



This diagram is to illustrate step 2: ‘Disconnect the main power supply to the unit by turning off the “Normal Supply Main Switch”. This will disconnect mains power from the grid for that unit.’ (Please note all other units connected to the same Solshare/ inverter must be already disconnected from the grid for this test to proceed).