

Inverter anti-islanding test declaration

Date:			
Installation address	Block:	Section:	Address (including suburb):
Installation owner name:			
Installation owner contact number:			
Installation owner contact email:			
Electrician name:			
Company:			
Licence number:			
Electrician's contact phone number:			
Electrician's contact email:			

Number of inverters at above address	
Back up system with seperate main switch at above address	Yes / No
Did all the tested inverters in the installation pass the anti-islanding tests?	Yes / No
Were all inverters tested?	Yes / No

Email this document and the test records to distribution@evoenergy.com.au irrespective of whether the tests passed or failed.

If one or more tests failed, the defect must be rectified and the tests carried out again. A test record giving evidence that the rectified installation passes this testing regime must then be emailed to Evoenergy. Both Evoenergy and Environment and Sustainable Development Directorate must be notified before any alteration to the installation is carried out.

Name of tester:

Signature:

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Inverter details*: Inverter: _____ of _____ (number) (total inverters in installation)

Number of micro inverters connected to the below main switch _____

Identical to first inverter <input type="checkbox"/> Please tick if applicable	Inverter make	
	Inverter model	
	Inverter nominal AC power	kVA
	Power of PV array connected to this inverter	kW
	Capacity of batteries connected to this inverter	kWh

Test 1a: Inverter main switch anti-islanding	Measurement	Result (circle one)
AC power being supplied by inverter prior to test commencing. Is this greater than 20 per cent of the rated output of the PV array or the inverter (whichever is less)? [†]	watts	Yes / No
Time for inverter to disconnect: Must be < 2 seconds to pass.	seconds	Pass / Fail

Test 1b: Inverter main switch reconnection	Measurement	Result (circle one)
Time for inverter to reconnect: Must be > 60 seconds to pass.	seconds	Pass / Fail

*Separate form must be used for each inverter unless inverters are less than 1KVA each (micro inverters) and share a main switch.

[†]If not, you must wait until a time when this condition is fulfilled before you can conduct valid testing. Please refer to the Evoenergy Periodic Inverter Test Procedure for steps you can take to allow battery systems to export.

Inverter backup system anti-islanding test declaration

Only applicable to battery systems that contain both an inverter main switch and a backup main switch.

Backup device (e.g. Tesla Gateway)	
Number of inverters connected downstream	
Inverter nominal AC power (total downstream)	kVA

Test 2a: Backup main switch anti-islanding	Measurement	Result (circle one)
AC power being supplied through device prior to test commencing. Is this greater than 20 per cent of the rated output of the downstream PV array(s) or the downstream inverter(s) (whichever is less)?*	watts	Yes / No
Time for backup device to disconnect: Must be < 2 seconds to pass.	seconds	Pass / Fail

Test 2b: Backup main switch reconnection	Measurement	Result (circle one)
Time for backup device to reconnect: Must be > 60 seconds to pass.	seconds	Pass / Fail

*If not, you must wait until a time when this condition is fulfilled before you can conduct valid testing. Please refer to the Evoenergy Periodic Inverter Test Procedure for steps you can take to allow battery systems to export.