



SMALL-SCALE EMBEDDED GENERATION COMMISSIONING REPORT BERGRIVIER MUNICIPALITY

Project Name:

Notes: (e.g. new system / existing system being expanded etc)

Account Holder Details

Name:			
Electricity Account No:			
ERF No:			
Telephone Number:	Landline:	Mobile:	
Email Address:			
Physical address:			
		Postal code:	

Installer Details

Company Name:			
Contact Person:			
Telephone Number:	Landline:	Mobile:	
Email Address:			
Physical address:			
		Postal code:	

SSEG Details

Key equipment Manufacturer/s and Model/s:	
Total AC rating (kVA):	
Single or three phase:	
Serial number/s of key equipment (specify equipment e.g. inverter/s):	

Attachments Checklist



Final as-built circuit diagram:

NOTE: The diagram is to clearly indicate point of connection to municipal network, the location of all protection devices, location of all breakers/isolators/disconnectors, measurement location for all protection and control devices, connection point of SSEG to the total system

Energy Conversion type test Certificate of Compliance according to NRS 097-2-1, issued by accredited 3rd party test house (mandatory for inverters):

(If storage inverter in parallel:) Separate NRS097-2-1 certificate for storage inverter:

Electrical installation Certificate of Compliance according to SANS 10142-1 (and SANS10142-1-2 when published):

Compulsory Declaration, Test and Sign-Off

The SSEG installation complies with the relevant sections of NRS 097-2-1 and NRS 097-2-3:

ANTI-ISLANDING TEST:

1. Anti-islanding test: (multi-meter required)

With the system running (main breaker closed and SSEG producing power), OPEN the main breaker to the SSEG installation.

- Does the SSEG activate anti-islanding mode?

Measure the voltage at the AC output terminals of the SSEG or at the connection point to the AC mains board.

YES/NO

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2. SSEG Re-connection test 1: (stop watch required)

With the main breaker OPEN and the SSEG in island mode, reconnect the mains (close main breaker).

Measure the time the SSEG takes to reconnect to the network/grid.

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3. SSEG Re-connection test 2: (stop watch required)

Take note of the reconnection time in test 2.

With the main breaker OPEN and the SSEG OFF, CLOSE the main breaker.

In 10 seconds or before the SSEG can reconnect to the grid, open the main breaker.

Does the SSEG activate anti-islanding and disconnect from the grid?

YES/NO

Safety labels have been fitted in accordance with NRS 097-2-1 (distribution board and metering point):

The SSEG installation complies with the relevant sections of SANS 10142-1 and SANS 10142-1-2 'The wiring of premises; Specific requirements for embedded generation installations connected to the low voltage distribution Network in South Africa' standard (as published), and an installation Certificate of Compliance is attached:

The SSEG installation complies with **licensing/registration** requirements of NERSA

The SSEG installation complies with any reverse feed limitations in the Municipality's 'Requirements for Small Scale Embedded Generation' document (if applicable):

Comments:



SIGN-OFF:

Up to 30kVA -
(for PV) Industry Accredited Installer* signoff
OR
ECSA registered Pr Eng or Pr Tech Eng
Over 30kVA –
ECSA registered Pr Eng or Pr Tech Eng

Note: once SANS10142-1-2 is published and electricians are qualified to issue CoCs according to this, such a CoC is all that will be needed - the Industry Accredited Installer and PR Eng etc signoff will fall away.

Date

Signature

Full Name of signatory: _____

Signatory registration details
(tick if applicable):

Industry Accredited
Installer*

ECSA (e.g.Pr Eng/Tech Eng)

Registration No. (ECSA /
Industry Accreditation*)

Company Name:

Telephone Number:

Landline:

Mobile:

Email Address:

Physical address:

Postal
code:

*eg PV GreenCard, P4

