

# SSEG Application CONTROL DOCUMENT

INPUT IN THESE CELLS ONLY

Blue cells are automatically completed

Solar PV ONLY

To be filled in for each SSEG application and saved as a separate file.

(Updated Feb2023)

Application customer name:

Date:

Reference no:



Errors? Comments?  
[Click to email](#)

## GENERAL CHECKS

### RECEIVE APPLICATION FORM

**CLEAR DATA INPUT CELLS IN COL 'E' BEFORE STARTING NEW ENTRY**

#### Site existing supply information

Fill in

Single or 3 phase supply: (1 or 3)  q

If RESIDENTIAL: circuit breaker size (e.g. 60 Amps, 80 Amps etc): (A)

Existing NMD kVA of customer:

Circuit breaker Amps:

If COMMERCIAL/INDUSTRIAL: Notified Max Demand of site in kVA: (kVA)

#### SSEG information:

SSEG total nameplate kVA

Single or 3 phase:  q

Maximum export capacity (kVA)

STORAGE: installed (in parallel)?  q

Maximum storage charging current per phase (Amps)

Storage size (kWh):

#### ASSESSMENT

Fill in

Accept or Reject

Notes / comments

Relevant reference

All information on application completed? (Y or N)  q

Accept

Other Departmental permissions obtained? (as necessary) (Y or N)  q

Accept

Installer accreditation? (if required) (Y or N)  q

Accept

e.g. not required - accept

[More info](#)

#### Attachments supplied:

NRS097-2-1 Test Certificate? (Y or N)  q

Accept

Preliminary circuit diagram incl? (if >100kVA) (Y or N)  q

Accept: under 100kVA

Accept - inverter on the approved list

#### EVALUATION OF APPLICATION AS PER NRS097-2-1 and NRS097-2-3

(Note: consult these standards where necessary or for queries)

##### Basic compliance with NRS097-2-1:

Accept or Reject

Notes / comments

Relevant reference

Earthing arrangements adequate? (Y or N)  q

Accept

Test Certificate according to NRS097-2-1 adequate?  
OR On approved inverter list?  
OR Other adequate protection information provided? (Y or N)  q

Accept

Is storage connected in parallel to EG via separate storage inverter? (Y or N)  q

Accept

...if Yes Storage inverter has NRS097-2-1 certification? (Y or N)  q

Accept

[More info](#)

##### Basic compliance with NRS097-2-3 (if not compliant, specialist grid impact studies may be required):

Accept or Reject

Notes / comments

Relevant reference

SSEG is linked to LV network (not MV or HV) (LV, MV or HV)  q

Accept

[More info](#)

#### SHARED FEEDER or DEDICATED FEEDER?

q

[More info on shared and dedicated feeders](#)

If on a shared LV feeder: (ignore this section if dedicated feeder)

Relevant reference

SSEG size limit, export capacity and storage charging current limit (see relevant table in NRS097-2-3)

Existing NMD of customer (kVA):

Total inverter kVA not more than 100% of NMD / circuit breaker capacity - SSEG system size (kVA):

NOT APPLICABLE - DEDICATED FEEDER

Max export kVA not more than 25% of NMD / circuit breaker capacity - Max export (kVA):

NOT APPLICABLE - DEDICATED FEEDER

Max battery charge current not more than 25% of NMD / circuit breaker capacity - Max charge current (A):

NOT APPLICABLE - DEDICATED FEEDER

Single or 3 phase connected? (if max export >4.6kVA, must be phase balanced)

NOT APPLICABLE - DEDICATED FEEDER

[More info](#)

If on a dedicated LV feeder: (ignore this section if shared feeder)

Accept or Reject

Notes / comments

Relevant reference

SSEG size limit, export capacity and storage charging current limit (see relevant table in NRS097-2-3)

Existing NMD of customer (kVA):

Total inverter kVA not more than 100% of NMD - SSEG system size (kVA):

#DIV/0!

Max export kVA not more than 75% of NMD - Max export (kVA):

(enter NMD data)

Max battery charge current not more than 25% of NMD - Max charge current (A):

(enter NMD data)

#### Feeder cable max voltage rise 1% (enter data to check):

LV feeder cable type (CuPVC or ALPVC):  q

LV feeder cable size (mm<sup>2</sup>):  q

LV feeder cable length (m):  q

Maximum allowable generator export based on voltage rise (lookup tables) (kVA)

Accept: voltage rise <1%

Single or 3 phase connected? (3 ph required if max export >4.6kVA - except if customer only has single phase connection - see NRS097-2-3) (1 or 3)

Accept: max export over 4.6kVA but balanced across phases

[More info](#)

NETWORK			
NETWORK CAPACITY CHECK			
Basic compliance with NRS097-2-3 (if not compliant, specialist grid impact studies may be required):	Accept or Reject	Notes / comments	Relevant reference
MV/LV transformer rating (enter the transformer kVA):	<input type="text" value="1000,00"/>		
<b>Shared feeder ONLY: Total SSEG exports on all shared feeders &lt;25% of MV/LV transformer rating?</b>			
Total existing SSEG <b>max exports</b> (excl this application) on <u>shared feeders</u> (enter kVA):	<input type="text" value="5"/>	NOTE:New SSEG not on shared feeder	
Cumulative SSEG <b>max exports</b> on feeder (as a % of MV/LV transformer rating):	<input type="text" value="2%"/>	NOTE:New SSEG not on shared feeder	<a href="#">More info</a>
<b>Total SSEG exports on ALL LV feeders (shared and dedicated) &lt;75% of MV/LV transformer rating?</b>			
Total existing SSEG <b>max exports</b> on <u>dedicated feeders</u> under transformer (enter kVA):	<input type="text" value="60,00"/>		
Cumulative SSEG <b>max exports</b> under transformer (as a % of MV/LV transformer rating):	<input type="text" value="8%"/>	Accept: <75%	<a href="#">More info</a>
<b>Total SSEG exports on MV feeder (under all transformers) &lt;15% of MV feeder peak load?</b>			
MV feeder peak load (enter kVA):	<input type="text" value="2000,00"/>		
Tot SSEG <b>max exports</b> on MV feeder under <u>other</u> MV/LV transf. (excl transf. noted above) (kVA):	<input type="text" value="100,00"/>		<a href="#">More info</a>
Cumulative SSEG <b>max exports</b> on MV feeder (as a % of MV feeder peak load):	<input type="text" value="9%"/>	Accept: <15%	
If all above checks okay - notify customer to proceed? (Y or N) <input type="text" value="Yes"/> <input type="checkbox"/> Accept			
If application is rejected, what is the main reason? <input type="text" value="Request further information from customer"/> <input type="checkbox"/> <a href="#">More info</a>			
GRID IMPACT STUDY (IF REQUIRED)			
Study status:	<input type="text" value="Not needed"/> <input type="checkbox"/>	<a href="#">Grid impact study info</a>	Notes / comments
GRID IMPACT STUDY ASSESSMENT			
Grid impact study indicate that generator installation can proceed? (Y or N)	<input type="text" value="No"/> <input type="checkbox"/>	Not needed	
Customer notified accordingly? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Not needed	Date: <input type="text"/>
If installation to proceed, install METER, update records:			
METERING			
Meter payment requested? (if customer pays) (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Proceed to next steps...	
Install meter (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Proceed to next steps...	
RECORD KEEPING			
SSEG captured on database? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Proceed to next steps...	
Installation takes place. COMMISSIONING FORM assessment:			
COMMISSIONING CHECKS			
All required information completed? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Accept	
kVA and key component make and model same as Application Form? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Accept	
Loss of mains test performed? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Accept	
Safety labels checked in accordance with NRS097-2-1? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Accept	
Controls/setting to limit maximum export capacity adequate? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Accept	
Controls/settings to limit maximum storage charging current adequate? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Accept	
Signoff on Commissioning adequate? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Accept	
<b>Attachments all present:</b>			
Final circuit diagram (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Accept	
NRS097-2-1 Test Certificate (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Accept	
Storage inverter NRS097-2-1 Test Certificate (if installed) (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Accept	
Electrical CoC provided (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Accept	
If Commissioning Form OK: Activate TARIFF, Notify Customer, Update Records			
RECORD KEEPING			
Generator info updated on database? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Proceed to next steps...	
TARIFFS/BILLING			
SSEG tariff activated for customer? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	Proceed to next steps...	
FINALISATION			
Has the meter been installed (check)? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>		
Has the SSEG tariff been activated? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>		
Has the customer been informed that generation may proceed? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>		Sent on 12 April 2021
Application closed, archived? (Y or N)	<input type="text" value="Yes"/> <input type="checkbox"/>	COMPLETED	Finalised 15 April 2021
<b>APPLICATION PROCESSING COMPLETE</b>			