

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)

3

▼

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

Existing NMD kVA of customer:

100

Circuit breaker Amps:

145

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

100

SSEG information:

SSEG total nameplate kVA

41

Single or 3 phase:

3

▼

Maximum export capacity (kVA)

11

STORAGE:

installed (in parallel)?

Yes

▼

Maximum storage charging current per phase (Amps)

16

Storage size (kWh):

5,5

ASSESSMENT

Fill in

Accept or Reject

Notes / comments

Relevant reference

All information on application completed? (Y or N)

Yes

▼

Accept

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

Yes

▼

Accept

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

No

▼

Reject

e.g. not required - accept

More info

Attachments supplied:

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

No

▼

Reject

Accept - inverter on the approved list

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

No

▼

Accept: under 100kVA

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)

Yes

▼

Accept

More info

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

Yes

▼

Accept

More info

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

Yes

▼

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

No

▼

Reject: all inverters need certification

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)

LV

▼

Accept

More info

SHARED FEEDER or DEDICATED FEEDER?

Dedicated

▼

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):

100

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

41

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

11

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

16

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

3

NOT APPLICABLE - DEDICATED FEEDER

NOT APPLICABLE - DEDICATED FEEDER

NOT APPLICABLE - DEDICATED FEEDER

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):

100

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

41

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

11

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

16

Accept: SSEG is 41% of NMD

Accept: Max export is 11% of NMD

Accept: Charge amps is 11% of NMD

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

LV feeder cable type (CuPVC or ALPVC):

Cu PVC

▼

LV feeder cable size (mm2)

70

▼

LV feeder cable length (m)

500

▼

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

11

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)

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):	1000,00			
Shared feeder ONLY: Total SSEG exports on all shared feeders <25% of MV/LV transformer rating?				
Total existing SSEG max exports (excl this application) on <u>shared feeders</u> (enter kVA):	5	NOTE: New SSEG not on shared feeder		
Cumulative SSEG max exports on feeder (as a % of MV/LV transformer rating):	2%	NOTE: New SSEG not on shared feeder		More info
Total SSEG exports on <u>ALL</u> LV feeders (shared and dedicated) <75% of MV/LV transformer rating?				
Total existing SSEG max exports on <u>dedicated feeders</u> under transformer (enter kVA):	60,00			
Cumulative SSEG max exports under transformer (as a % of MV/LV transformer rating):	8%	Accept: <75%		More info
Total SSEG exports on MV feeder (under all transformers) <15% of MV feeder peak load?				
MV feeder peak load (enter kVA):	2000,00			
Tot SSEG max exports on MV feeder under <u>other</u> MV/LV transf. (excl transf. noted above) (kVA):	100,00			More info
Cumulative SSEG max exports on MV feeder (as a % of MV feeder peak load):	9%	Accept: <15%		

If all above checks okay - notify customer to proceed? (Y or N)

Yes

Accept

If application is rejected, what is the main reason?

Request further information from customer

[More info](#)

GRID IMPACT STUDY (IF REQUIRED)

Study status:

Not needed

[Grid impact study info](#)

Notes / comments

Relevant reference

GRID IMPACT STUDY ASSESSMENT

Grid impact study indicate that generator installation can proceed? (Y or N)

No

Not needed

Customer notified accordingly? (Y or N)

Yes

Not needed

Date:

If installation to proceed, install METER, update records:

Accept or Reject

Notes / comments

Relevant reference

METERING

Meter payment requested? (if customer pays) (Y or N)

Yes

Proceed to next steps...

Install meter (Y or N)

Yes

Proceed to next steps...

RECORD KEEPING

SSEG captured on database? (Y or N)

Yes

Proceed to next steps...

Installation takes place. COMMISSIONING FORM assessment:

Accept or Reject

Notes / comments

Relevant reference

COMMISSIONING CHECKS

All required information completed?	(Y or N)	Yes	Accept
kVA and key component make and model same as Application Form?	(Y or N)	Yes	Accept
Loss of mains test performed?	(Y or N)	Yes	Accept
Safety labels checked in accordance with NRS097-2-1?	(Y or N)	Yes	Accept
Controls/setting to limit maximum export capacity adequate?	(Y or N)	Yes	Accept
Controls/settings to limit maximum storage charging current adequate?	(Y or N)	Yes	Accept
Signoff on Commissioning adequate?	(Y or N)	Yes	Accept
Attachments all present:			
Final circuit diagram	(Y or N)	Yes	Accept
NRS097-2-1 Test Certificate	(Y or N)	Yes	Accept
Storage inverter NRS097-2-1 Test Certificate (if installed)	(Y or N)	No	Reject: all inverters need certification
Electrical CoC provided	(Y or N)	Yes	Accept

If Commissioning Form OK: Activate TARIFF, Notify Customer, Update Records

Accept or Reject

Notes / comments

Relevant reference

RECORD KEEPING

Generator info updated on database? (Y or N)

Yes

Proceed to next steps...

TARIFFS/BILLING

SSEG tariff activated for customer? (Y or N)

Yes

Proceed to next steps...

FINALISATION

Has the meter been installed (check)?	(Y or N)	Yes	
Has the SSEG tariff been activated?	(Y or N)	Yes	
Has the customer been informed that generation may proceed?	(Y or N)	Yes	Sent on 12 April 2021
Application closed, archived?	(Y or N)	Yes	Completed

APPLICATION PROCESSING COMPLETE