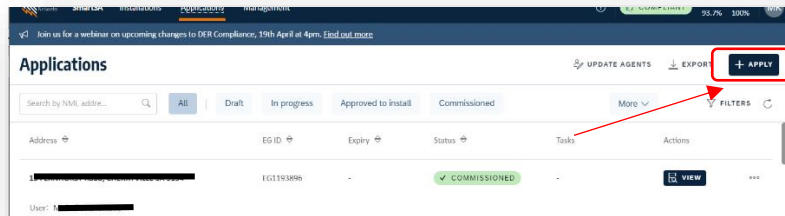


## How do I create a MEG application?

This document describes how to apply for Medium Embedded Generation

1. Click the “Apply” button on the dashboard, then select the size of the EG and click “Next”.



**New application**

Select your proposed site size below.

**SMALL (SEG)**  
Less than 30 kVA

**MEDIUM (MEG)**  
31 to 500kVA

**LARGE (LEG)**  
Greater than 500kVA

CANCEL **NEXT**

2. If there is an existing supply enter the NMI and Meter number for the site, then click “Next”

**New application**

Is there an existing electricity supply?:  
 Yes  No

National Metering Identifier (NMI):

Meter Number:

CANCEL **NEXT**

If the site has no supply, you can provide the NMI and REX number or the address.

**New application**

Is there an existing electricity supply?:  
 Yes  No

Do you have a REX Number?:  
 Yes  No

Please provide the address:  
Search.

**⚠ Please note that MEG applications under 200kVA cannot be submitted without a NMI.**

If there is no power connected to the site, a [New connections - SA Power Networks](#) form must be submitted before applying for a Medium Embedded Generator (MEG).

CANCEL NEXT

**New application**

Is there an existing electricity supply?:  
 Yes  No


Do you have a REX Number?:  
 Yes  No

National Metering Identifier (NMI):  
Type here ⓘ

REX Number:  
Type here ⓘ

CANCEL NEXT

**Success**



You can now start your application at:  
163 CARLTON Parade, PORT AUGUSTA SA 5700

Before you start, [read user guides](#).

CANCEL **START**

**Note** that if the NMI is part of a group (cluster) then the application will apply to all NMIs in the group. You can modify the group e.g. add NMIs using the modify group button.

3. If you entered the NMI and meter instead of address, the address will be displayed. Use the "Suggest a change" option and enter the correct address if this is in correct. Then click "Next".

Application ID: EG1193903 Meter Number: 213643 NMI: [REDACTED]

**Location details**

National Metering Identifier (NMI): [REDACTED]

Meter Number: [REDACTED]

Address: 1 Fake Address

Is the address incorrect?  
[Suggest a change](#)

Total Capacity ⓘ  
Incl. capacity of all NMIs in this group.

Current OKVA Proposed OKVA

**NEXT >** SAVE EXIT

Please provide the address

167-195 CARLTON PDE, PORT AUGUSTA SA 5700

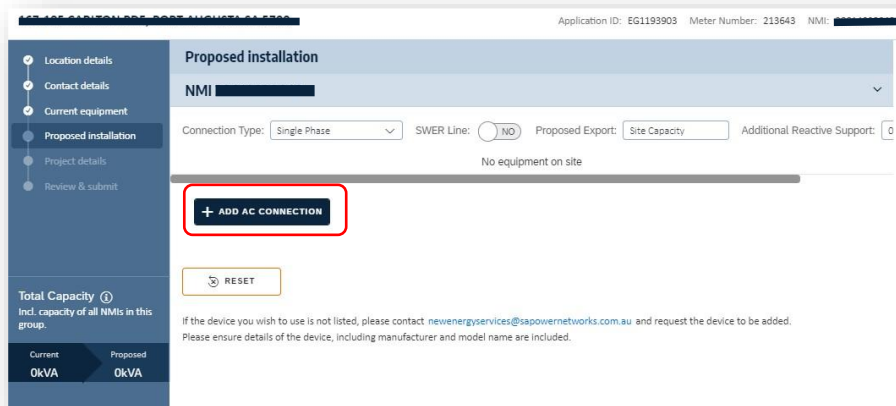
CANCEL

4. Enter the contact details Click "next" to proceed. Note you can use the "Same as" check boxes if any contact people are the same.

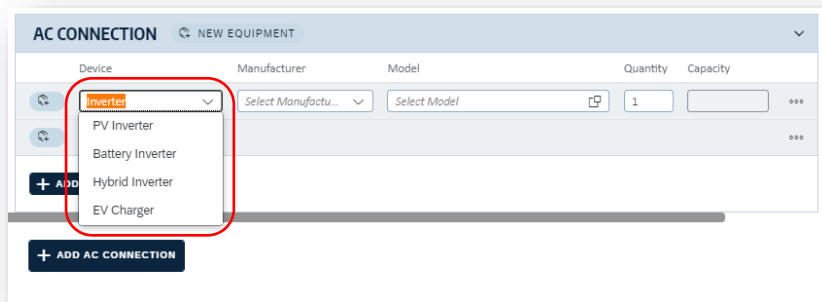
- The customer is the person who is responsible to sign the contract
- The principal point of contact is the person with whom SA Power Networks will be liaising
- The billing contact is the person / organisation who will be receiving and paying invoices
- Enter the installer contact information if known

- 5. Any existing equipment (either installed or approved) located at the site will be displayed. If the information is correct, indicate “yes” and proceed by clicking next. If it is incorrect, click “No” to be able to edit the information
- 6. Select the correct phase from the connection type drop-down list

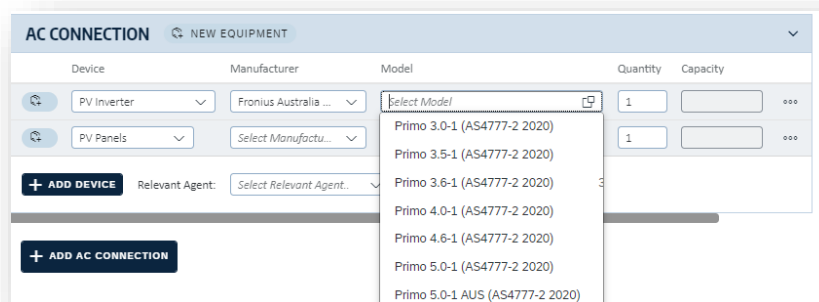
7. Click "Add AC Connection". Note: if this applies to a group of NMIs (cluster) you will be able to repeat these steps for each NMI in the cluster.



8. Select the inverter type from the drop-down box



9. Select the manufacturer from the drop-down box, then select the model and enter the quantity. In this example, PV panels auto populated in the form because a PV inverter was entered for the AC connection. Enter the panels details as well.



Device	Manufacturer	Model	Quantity	Capacity
PV Inverter	Fronius Australia ...	Primo 8.2-1 (AS4777-2 2020)	1	8.2 kVA
PV Panels	BYD Company Li...	BYD410MLK-27	10	4.1 kW

10. You can continue to add more devices or inverters, as required. For PV you are required to select a relevant agent from the drop-down list.

Device	Manufacturer	Model	Quantity	Capacity
PV Inverter	Fronius Australia ...	Primo 8.2-1 (AS4777-2 2020)	60	492 kVA
PV Panels	BYD Company Li...	BYD410MLK-27	200	82 kW

11. Once you have entered all devices for the AC Connection or inverter, you may need to select the export limiting device. This will be required if the device capacity exceeds the meg limit of 200kVa. Then click next.

Proposed installation

Connection Type: Single Phase SWER Line:  NO Proposed Export: Site Capacity Additional Reactive Support:

Device	Manufacturer	Model	Quantity	Capacity
PV Inverter	Fronius Australia ...	Primo 8.2-1 (AS4777-2 2020)	60	492 kVA
PV Panels	BYD Company Li...	BYD410MLK-27	200	82 kW

EXPORT LIMITING DEVICE

Fronius- GEN24 SwitchDim Droplet + Fronius Smart Meter 63A-1

PREVIOUS NEXT SAVE EXIT

12. The project details page is displayed. Tick the checkbox alongside Power Factor Control units if any will be included in the installation. Power Factor Control Detail fields will be displayed, enter the manufacturer, make, capacity, quantity and indicate if it will be placed at the connection point. If manufacturer and model are not yet known, it is acceptable to enter "unknown" provided this information is supplied before the offer is accepted.

**Project details**

**System Controls**

Providing this information will make the process smoother and prevent surprises during the witnessing process.

Power Factor Control Unit(s)

Var Support

Backup Generators

Power Factor Control Unit(s)

Manufacturer:\*

Model:\*

Capacity (kVA):\*

Quantity:\*

Is a Power Factor Control unit placed at the connection point?:\*  Yes  No

13. Tick the checkbox alongside Var support if any will be included in the installation. Var support fields will be displayed, enter the manufacturer, model, and capacity. If manufacturer and model are not yet known, it is acceptable to enter “unknown” provided this information is supplied before the offer is accepted.

**Project details**

**System Controls**

Providing this information will make the process smoother and prevent surprises during the witnessing process.

Power Factor Control Unit(s)

Var Support

Backup Generators

Var Support

Manufacturer:\*

Model:\*

Capacity (kVA):\*

14. Tick the checkbox alongside Backup generators if any will be included in the installation. Backup generator fields will be displayed, enter the manufacturer, model, and capacity. If manufacturer and model are not yet known, it is acceptable to enter “unknown” provided this information is supplied before the offer is accepted.

**Project details**

**System Controls**

Providing this information will make the process smoother and prevent surprises during the witnessing process.

Power Factor Control Unit(s)

Var Support

Backup Generators

Backup Generators

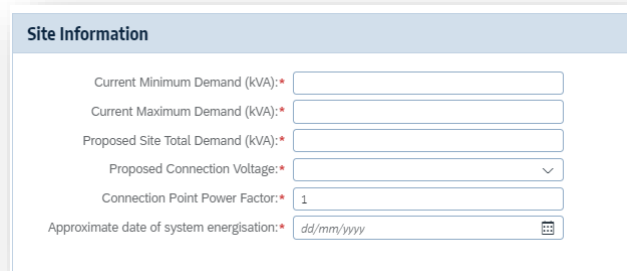
Manufacturer:\*

Model:\*

Capacity (kVA):\*

15. Enter information about the site
- Current minimum demand – the minimum load the site currently pulls from the grid, for new sites this will be 0 KVA
  - Current maximum demand – the authorised current capacity as agreed with SA Power Networks i.e. the maximum load the site currently pulls from the grid, for new sites this will be 0 KVA
  - Proposed site total demand – enter the proposed maximum demand or enter the current maximum load if this will remain unchanged

- Connection point power factor
- Approximate date of system energisation



**Site Information**

Current Minimum Demand (kVA):\*

Current Maximum Demand (kVA):\*

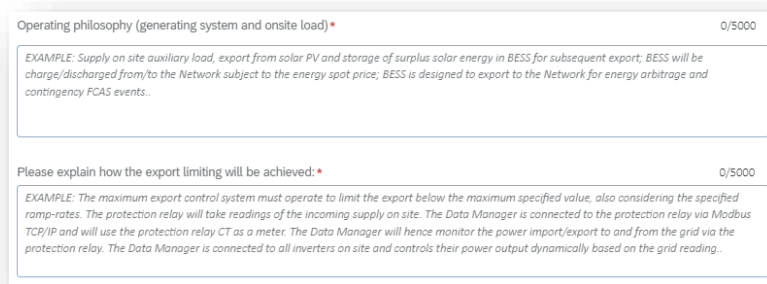
Proposed Site Total Demand (kVA):\*

Proposed Connection Voltage:\*

Connection Point Power Factor:\*

Approximate date of system energisation:\*

16. Enter information about the operating philosophy and describe how export limiting will be achieved.



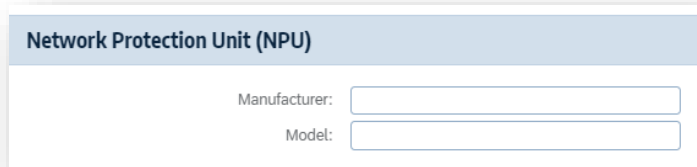
Operating philosophy (generating system and onsite load)\* 0/5000

*EXAMPLE: Supply on site auxiliary load, export from solar PV and storage of surplus solar energy in BESS for subsequent export; BESS will be charge/discharged from/to the Network subject to the energy spot price; BESS is designed to export to the Network for energy arbitrage and contingency FCAS events.*

Please explain how the export limiting will be achieved: \* 0/5000

*EXAMPLE: The maximum export control system must operate to limit the export below the maximum specified value, also considering the specified ramp-rates. The protection relay will take readings of the incoming supply on site. The Data Manager is connected to the protection relay via Modbus TCP/IP and will use the protection relay CT as a meter. The Data Manager will hence monitor the power import/export to and from the grid via the protection relay. The Data Manager is connected to all inverters on site and controls their power output dynamically based on the grid reading.*

17. Enter the manufacturer and model of the Network Protection Unit (NPU)



**Network Protection Unit (NPU)**

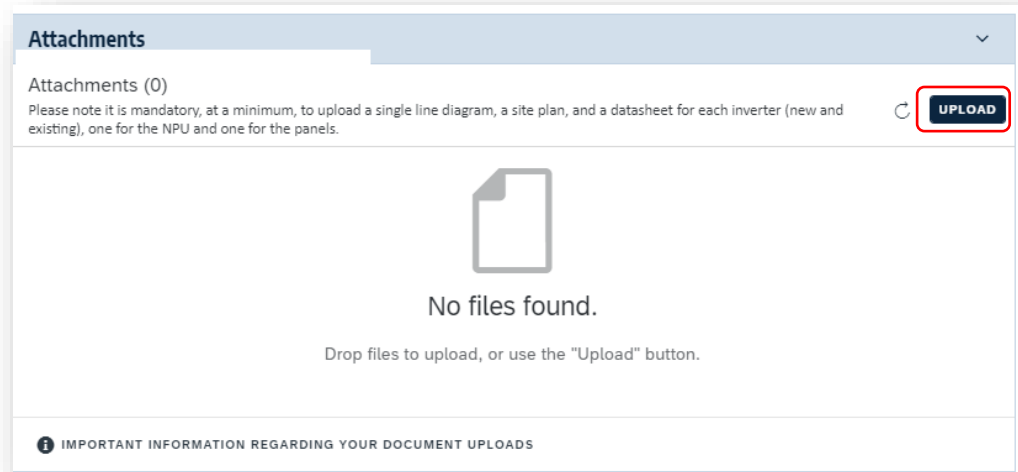
Manufacturer:

Model:

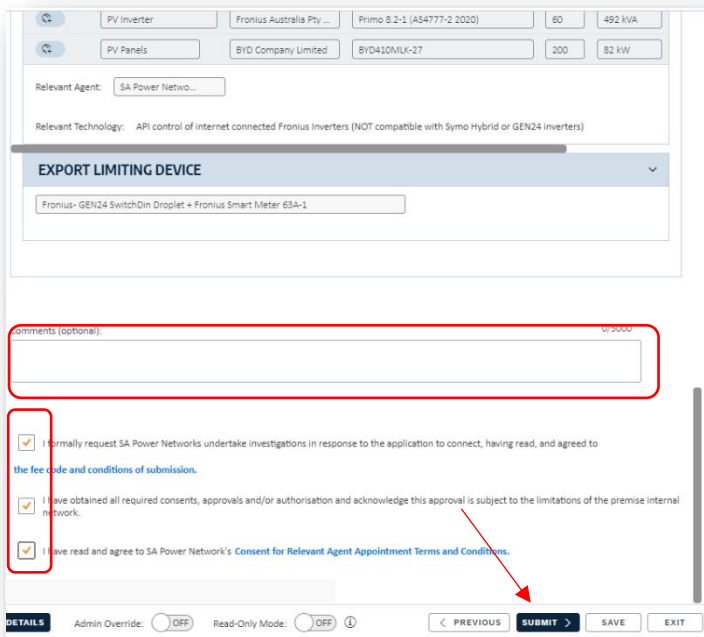
18. Use the upload button to attach documents. In order to submit, at least a site plan should be attached. After submitting the application but prior to approval, the following documents must be loaded:

- engineering report
- single line diagram
- site map
- 3 data sheets
- site plan





19. Click next once the project details have all been entered
20. The entire application is displayed. You can choose to edit any section, add supporting information. Agree to the terms displayed, and then click submit when ready.



21. The approved application will be displayed on your dashboard. An approval email will be sent to your email address and the customer address that you entered in step 4