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 "Medium (MEG)

Here Installations Requests	Insights Management	<u>(</u>] (y Michelle K. ∨ •••
equests		C EXPORT + NEW
Search by NMI, addres Q All Services	~	
All (116137) Draft (8974) In progress (14208)	With SAPN (225) With applicant (13583)	°∰ ADVANCED C
ID \Leftrightarrow Location \Leftrightarrow	Service type \Leftrightarrow NMI \Leftrightarrow Status \Leftrightarrow	Action required
	SA Embedded	Finalise and submit

What are you looking for today?

Small (SEG)	Medium (MEG)
Up to 30 kVA	30 kVA-500 kVA
Large (LEG)	Update Relevant Agents
Greater than 500 kVA	No approval required
Inductor	

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

lew application		
s there an existing electricity supply?:		
e Yes No		
lational Metering Identifier (NMI):		
Type here		٢
Aeter Number:		
Type here		١
	CANCEL	NEXT

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

New application	New application
Is there an existing electricity supply?: Yes No Do you have a REX Number?: Yes No Please provide the address: Search. M please note that MEG applications under 200kVA cannot be submitted without a NML 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).	Is there an existing electricity supply?: Ves No Do you have a REX Number?: Ves Ves No National Metering Identifier (NMI): Type here REX Number: Type here ()
CANCEL NEXT	
163 C	ARLTON Panade, PORT AUGUSTA SA 5700 Before you start, <u>read user guides</u> . CANCEL

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.

 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".

Location details	Location details	
	National Metering Identifier (NMI):	
	Meter Number:	
	-	
	Address: 1 Fake Address	
	Suggest a change	
al Capacity (i)		
p.		
urrent Proposed		
kVA OkVA		
«		
		NEXT > SAVE EXIT
		A
		Please provide the address
		167-195 CARLTON PDE. PORT AUGUSTA SA 5700

- 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

Customer (Responsible to sign Offer Letter and Ongoing Connection Contract)	Billing Contact
Contact First Name:*	Same as Customer:
Contact Surname: *	Same as Principal Contact:
Contact out matrix	
	Contact First Name:*
Abn	
	Contact Sumamer*
Entity/Business Name:	
Phone Number:*	AON."
	Faile Review Name
Email Address: *	Enorgy business name.*
Address:*	Phone Number: •
Search.	
	Email Address: *
Principal Point of Contact	
Same as Customer:	Address: •
	Search.
Same as Billing Contact:	Long Base
	Installer
Contact First Name: *	Contact First Name:
Contact Surname: *	Contact Surname:
ABN:	Phone Number:
Entity/Business Name:	Email Address:
Phone Number:*	
	L
Email Address: *	
Address: *	
Search.	

- 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

	Application ID: EG1193903 Meter Number: 213643 NMI: 1004-000-000
Location details	Current equipment
Contact details Current equipment	Are our records correct? Please confirm that the installation details below are currently present at this location.
	Yes No
	Connection Type Single Phase SWER Line:
	No equipment on site
Ital Capacity (t) d. capacity of all NMIs in this pup. Corrent Proposed OKVA OKVA	
«	
	<pre></pre>

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.

Location details	Proposed installation
 Contact details 	NMI Second Y
Current equipment Proposed installation	Connection Type: Single Phase V SWER Line: NO Proposed Export: Site Capacity Additional Reactive Support: 0
	No equipment on site
Fotal Capacity 🛈	ADD AC CONNECTION S RESET If the design wounds to use is not linked place potent memory approaching discovere abunds non au and served the design to be added
icl. capacity of all NMIs in this roup.	Please ensure details of the device, including manufacturer and model name are included.

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

PV Inverter)
Battery Inverter	000
Hybrid Inverter	

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) 	P 1	8.2 kVA •••
PV Panels	V BYD Company Li	V BYD410MLK-27	CP 10	4.1 kW 00

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)	9	60	492 kVA	000
PV Panels	~	BYD Company Li 🗸	BYD410MLK-27	G	200	82 kW	000
+ ADD DEVICE Relev	vant Agent:	SA Power Networks- F	$\overline{}$				

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.

	-			Ť
onnection Type: Single Ph	swer Line:	NO Proposed Export: Site Ca	Additional Read	tive Support:
AC CONNECTION	C NEW EQUIPMENT			~
Device	Manufacturer	Model	Quantity Capacity	
PV Inverter	✓ Fronius Australia ✓	Primo 8.2-1 (AS4777-2 2020)	60 492 kVA	
C PV Panels	SYD Company LL V	BYD410MLK-27	19 200 82 kW	•••
+ ADD DEVICE Rele	vant Agent: SA Power Networks- F	~		
Relevant Technology: API	control of internet connected Fronius Inv	verters (NOT compatible with Symo Hyb	rid or GEN24 inverters)	
	-			
+ ADD AC CONNECTIO	N			
EXPORT LIMITING	DEVICE			~
Froniura GEN24 SwitchDin	Droplat & Fronius Smart Mater 534-1	i		
Criter Generation				
<u> </u>			X	
		vices@sapowernetworks.com.au and re	equest the device to be added.	
the device you wish to use is	not listed, please contact newenergyser			

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.

	Power Factor Control Unit(s)		
Project details	Manufacturer:*		
System Controls ~	Model:*		
Providing this information will make the process smoother and prevent surprises during the witnessing process. Prover Factor Control Unit(s)	Capacity (kVAr):*		
Var Support	Quantity:*		
Backup Generators	Is a Power Factor Control unit placed at the connection point?:*	Ves 🖲 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.

	Var Support	
Project details	Manufacturer:*	
System Controls v	Model:*	
Providing this information will make the process smoother and prevent surprises during the witnessing process.	Capacity (kVAr):	
Power Factor Control Unit(s) Ver Support Backup Generators		_

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.

	Backup Generators	
Project details	Manufacturer:*	
System Controls v	Model:*	
Providing this information will make the process smoother and prevent surprises during the witnessing process.	Capacity (kVA):*	
Power Factor Control Unit(s)		
Var Support		
Backup Generators		

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

Current Minimum Demand (k\/A):*	
Current Maximum Demand (KVA):*	
Proposed Site Total Demand (kVA):*	
Proposed Connection Voltage:*	\sim
Connection Point Power Factor:* 1	
Approximate date of system energisation:* dd/mm/yyyy	

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

XMMPLE: Supply on site auxiliary load, export from solar PV and storage of surplus solar energy in BESS for subsequent export; BESS harge/discharged fram/to the Network subject to the energy spot price, BESS is designed to export to the Network for energy arbitra antingency FCAS events.	vill be ge and
ease explain how the export limiting will be achieved; •	0/5000

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

Attachments (0) Please note it is mandatory, at a minimum, to uplo	oad a single line diagram, a site plan, and a datasheet for each inverter (new and	
xisting), one for the NPU and one for the panels.		
	No files found.	
Dr	op files to upload, or use the "Upload" button.	

- 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.

-						
<u>1</u>	PV Panels	BYD Company Limited	BYD410MLK-27		200	82 kW
elevant Age	ent: SA Power Netwo hnology: API control of in	iternet connected Fronius Inverter	s (NOT compatible with Symo Hybrid	d or GEN24 in	erters)	
XPORT	LIMITING DEVICE					~
Fronius- GE	EN24 SwitchDin Droplet + Fr	onius Smart Meter 63A-1				
nts (option	a]):					0/5000
<u> </u>						
formally r	equest SA Power Networks	undertake investigations in respon	nse to the application to connect, ha	ving read, and	agreed	to
formally n	equest SA Power Networks	undertake investigations in respo	nse to the application to connect, ha	ving read, and	agreed	to
formally r code and i have obta network.	equest SA Power Networks conditions of submission. ined all required consents,	undertake investigations in respo approvals and/or authorisation an	nse to the application to connect, ha d acknowledge this approval is subju	ving read, and	agreed t	to f the premise internal
formally n code and Have obta network.	equest SA Power Networks conditions of submission. sined all required consents, l and agree to SA Power Net	undertake investigations in respon approvals and/or authorisation an twork's Consent for Relevant Age	nse to the application to connect, ha d acknowledge this approval is subji nt Appointment Terms and Condition	wing read, and ect to the limit	agreed t	to f the premise internal
formally r code and have obta network.	equest SA Power Networks conditions of submission. lined all required consents, I and agree to SA Power Net	undertake investigations in respon approvals and/or authorisation an twork's Consent for Relevant Age	nse to the application to connect, ha d acknowledge this approval is subju- nt Appointment Terms and Conditiv	wing read, and	agreed t	to
formally re code and re Have obta retwork. Have read	equest SA Power Networks conditions of submission. ined all required consents, I and agree to SA Power Net min Override: OFF	undertake investigations in respon approvels and/or authorisation ar twork's Consent for Relevant Age Read-Only Mode: OFF	nse to the application to connect, ha d acknowledge this approval is subjr nt Appointment Terms and Condition	ving read, and ect to the limit	agreed tations of	to f the premise internal SAVE EXIT

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 $\frac{4}{2}$