

SA Power Networks

Large Embedded Generation – Over 0.2MW

Customer Enquiry Form



Important: Download and save this PDF to your computer *before* completing the form.

Complete Sections 1 and 2 for all Enquiries, a separate form for each connection point.

Complete Section 3 when requested by SA Power Networks.

Email completed Enquiry Form to: LargeGeneration@sapowernetworks.com.au
Attach all required information.

Section 1 Customer Information

Form Submission Date	/ /
Nominated Representative Name	
Company	
Phone	
Email	
Address	
ABN	
End User / Owner of Meter	
Company	
Phone	
Email	
Address	
ABN	

If the Representative and the End User are not the same entity, provide written authorisation (email) from the End User in order to allow SA Power Networks to disclose connection information to the Representative. SA Power Networks will be unable to proceed until authorisation is received.

Site (Generation) Address	
Map/Markup of Proposed Generation System Location	Attach to Email
Connection – Existing or New	Select:
If Existing Connection – NMI Number	
Connection Voltage	Select:

Section 2 Generation Connection Arrangement

Generating System Capacity	MW (AC)
Generation Type	Select:
Generation Technology (e.g. Solar PV, Synchronous, Energy Storage, Wind etc.)	
Number of Generating Units (including Energy Storage)	
Generating System Voltage	Select:
Export Required	Select:
Existing Generation	Select:
If Existing Generation - Capacity	MW (AC)
If Existing Generation - Type	Select:
Operating Philosophy (e.g. Peak Lopping, Market, Duration, etc.)	
Total Site Generation Capacity	MW (AC)
Total Site Generation Export Capacity	MW (AC)
Anticipated Export Energy	kWh
Construction Start Date	/ /
Construction Completion Date	/ /
Commissioning Date	/ /

To the best of our knowledge, I/We certify that the information stated in Sections 1 and 2 is an accurate description of the proposed Generating System arrangement and the Entities involved.

Name	
Title	
Date	/ /
Requested Response	Select:
For >5MW – Information Requested by You from SA Power Networks	Attach questions to Email when you return Enquiry Form.

SA Power Networks

Large Embedded Generation – Over 0.2MW

Customer Enquiry Form



Important: Review and confirm information is correct in Sections 1 and 2.
Resubmit Enquiry Form with Section 3 completed and provide all additional information requested.

Section 3 Generating System Details (including Energy Storage)

SA Power Networks Ref No	NC
Date of Submission	/ /
Single Line Diagram (SLD)	Attach to Email
Protection SLD	Attach to Email
Consumer Mains Size	mm Dia
Consumer Mains Length (from Connection Point to Generating Unit)	mtrs
For Export or >1MW – Site Layout Diagram	Attach to Email
For Export or >1MW – Control Room Layout Diagram	Attach to Email
Maximum Site Load	kVA
Minimum Site Load	kVA
Auxiliary Supply	kVA
Confirm Generation Technology (e.g. Solar PV, Synchronous, Energy Storage, Wind etc.)	
Confirm Generation Type	Select:
Details for Each Type of Generating Unit (Data Sheets)	Attach to Email
Power Factor Capability	
Reactive Power Control Support System Details	
Reactive Power Control Capacity	MVA _r
Sub-Transient Reactance (X'' _d)	
Over/Under Voltage Capability	
Customer Owned Transformer Size	kVA
Customer Owned Transformer Impedance on Rating Base	%
Customer Owned Transformer Arrangement	Attach to Email (Refer Note 1)
Nature of any Disturbing Load or Generation	Attach to Email

Section 3 Energy Storage Additional Information

Details for Energy Storage Unit (Data Sheets)	Attach to Email
Specific Size of Energy Storage Unit	kW
Rate of Charge	kWh
Rate of Discharge	kWh
Energy Storage Unit Make and Model Details (Data Sheets)	Attach to Email
Operating Philosophy (e.g. time of discharge, export/non-export, etc.)	Attach to Email
Inverter Details (Data Sheets) (e.g. kW, manufacturer, size, model, etc.)	Attach to Email

To the best of our knowledge, I/We certify that the information stated in this Enquiry Form is an accurate description of the proposed Generating System arrangement (including Energy Storage), and the Entities involved.

Name	
Title	
Date	/ /
Requested Response	Select:

Note 1
SA Power Networks requires no zero sequence current contribution into the Network under fault conditions (typically achieved by a transformer with a delta on the network side).