

Application to connect small scale renewable energy systems to the Western Power network

For further information contact Western Power on 13 10 87. Completed application forms with attachments are to be sent via email: works.admin.general@westernpower.com.au, post: Locked Bag 2520 Perth WA 6001 or fax: 9225 2073.

Part A – applicant details

Applicant information

Title (e.g. Mr, Mrs.)	<input type="text"/>	First name	<input type="text"/>									
Surname	<input type="text"/>											

Address (premises) where system is to be installed

Address	<input type="text"/>														
Suburb or town	<input type="text"/>										Post code	<input type="text"/>			
Telephone	(<input type="text"/> <input type="text"/> <input type="text"/>)	<input type="text"/>				Work	(<input type="text"/> <input type="text"/> <input type="text"/>)	<input type="text"/>							
Fax	(<input type="text"/> <input type="text"/> <input type="text"/>)	<input type="text"/>				Mobile	<input type="text"/>								

Postal address

Address	<input type="text"/>														
Suburb or town	<input type="text"/>										Post code	<input type="text"/>			

Part B – system installer and supplier details

To be completed by an electrical contractor **OR** a CPEng - NPER Engineer.

Electrical contractor	<input type="text"/>														
Licence number	<input type="text"/>														
OR															
CPEng - NPER Engineer	<input type="text"/>														
Registration number	<input type="text"/>														

1. System installer information

Company or business name	<input type="text"/>														
Designated contact person	<input type="text"/>														
Address	<input type="text"/>														
Suburb or town	<input type="text"/>										Post code	<input type="text"/>			
Work telephone	(<input type="text"/> <input type="text"/> <input type="text"/>)	<input type="text"/>				Mobile	<input type="text"/>								
Fax	(<input type="text"/> <input type="text"/> <input type="text"/>)	<input type="text"/>													
Email	<input type="text"/>														

2. Elected retailer

Retailer name

3. Connection/commissioning date

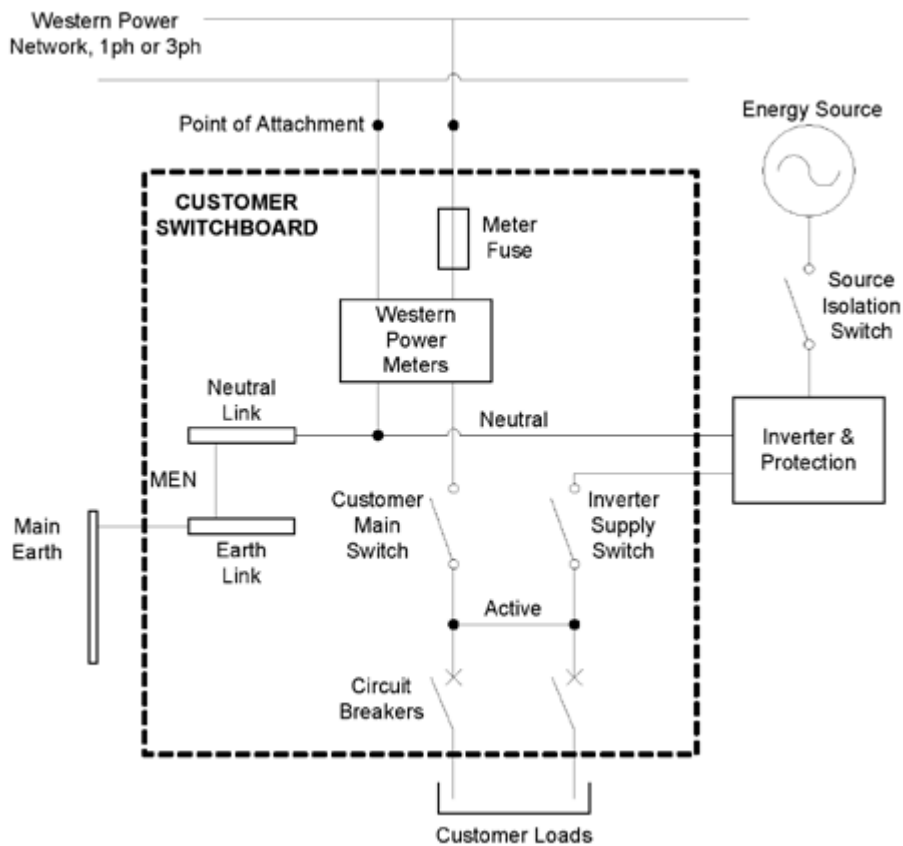
Date / /

4. Circuit diagram

Indicate the circuit diagram choice below.

The installation is identical to the circuit diagram below OR

The installation is in accordance with the attached circuit diagram



5. Details

5.1 System details

Maximum capacity 10 kVA single phase and 30 kVA three phase

Inverter output capacity	<input type="text"/>	kVA
Number of phases	<input type="text"/>	
Generator type	<input type="checkbox"/> Photovoltaic	<input type="checkbox"/> Wind
	<input type="checkbox"/> Other	<input type="text"/>
Inverter make	<input type="text"/>	
Inverter model	<input type="text"/>	

5.2 Protection settings

All units will comply with the settings listed in the table below. Please indicate the proposed settings for your system below.

Protection function required	Limit	Proposed settings
Under voltage trip (5 min average) • Single phase • Three phase	200 – 225 V 350 – 390 V	
Over voltage trip (5 min average) • Single phase (note 1) • Three phase (note 1)	254 – 270 V 440 – 470 V	
Under frequency trip (note 2)	47.5 Hz	
Over frequency trip (note 2)	52 Hz	

Note 1: Western Power is undertaking a review of the over voltage settings to determine if they should be reduced to 254/440 V. This is to be completed by the end of July 2008.

Note 2: If the inverter model is unable to comply to these settings, at the customers discretion, alternative settings that comply with AS 4777 may be used. Outages on the consumer's equipment due to the tighter setting are not the responsibility of Western Power.

5.3 Inverter technical compliance documentation

Attach both a Certificate of Compliance from a NATA recognised laboratory indicating compliance with AS 4777 and an Australian electrical regulatory authority Certificate of Suitability for the proposed inverter. The Certificate of Suitability shall include acknowledgement of compliance with AS/NZS 3100.

6. Preliminary and completion notices

The electrical contractor shall submit these required notices when installation works are undertaken. This application is not a substitute for the submission of these notices.

7. System compliance

Western Power requires the system to comply with the following:

- AS 4777 parts 1, 2 and 3
- AS/NZS 3100
- AS/NZS 3000
- Western Power's technical rules
- The system shall be installed by a qualified electrical contractor

Indicate system compliance with these requirements

8. Application checklist

Please ensure the following documentation is included and tick all boxes to confirm. **Incomplete applications will not be processed.**

Please confirm Part B has been completed by an electrical contractor or CPEng - NPER Engineer

An Australian electrical regulatory authority Certificate of Suitability acknowledging compliance with AS/NZS 3100

NATA recognised certificate of compliance to AS 4777

Circuit diagram chosen (and attached if second option selected)

9. Western Power office use only

Western Power project number	<input type="text"/>
Approved by	<input type="text"/>
Signed	<input type="text"/> Date <input type="text"/> / <input type="text"/> / <input type="text"/>