

Notification of inverter energy system connection details

This form must be completed and signed by the Electrical Contractor connecting the system.
The completed form must be attached to the Notice of Completion..

Instructions

All systems must comply with the approval conditions.

Pre-approval

For residential PV \leq 3kW systems in an approved location – see criteria for connection of pre-approved systems at <http://www.westernpower.com.au/business/solarpvsystem/index.html>

Approval required

All other systems (not pre-approved) must be individually assessed and approved by Western Power. Before installing and connecting a system you must obtain from the customer a copy of the approval letter (email) received from Western Power – the approval number (WP reference number) will be recorded on this communication.

Bi-directional meter

All systems must be connected via a bi-directional meter. Please advise the customer if the existing meter is unsuitable and advise that the customer must contact their electricity retailer to request a change of meter.

System

- System capacity must total \leq 30kW
 - Capacity \leq 5kW may be connected via 1, 2 or 3 ph
 - Capacity \geq 5kW must NOT be connected via 1ph
- Inverter is on the current Western Power authorised inverter list.
Visit the Western Power website at www.westernpower.com.au/solarpvsystem to view the full list of approved inverters
- Inverter must comply with the following standards and settings:
 - AS 4777 parts 1, 2 and 3
 - AS/NZS 300 and 3100
 - Western Power's technical rules
 - WA Connections Manual
 - Protection settings

All protection settings within the inverter system will comply with the requirements of the technical rules.

Anti-islanding protection type according to AS4777.3 Clause 5.3	
Voltage	Acceptable range
Under-voltage set point	200 – 225 V
Over-voltage setpoint**	254 – 270 V
Frequency	Required Setting
Under-frequency set point	47.5 Hz
Over-frequency set point	52 Hz

**The inverter voltage setting should be set such that the inverter remains connected while the average (5 min) supply voltage is within 226 to 254 V. Voltages within the customer installation which are raised due to the inverter installation is responsibility of the customer.



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Completion Notice Number

Generation installation details

Generation source type Photovoltaic Wind Hydro Other, please specify:

Generation source description

Generation capacity kW
 Energy storage None Battery

Inverter brand	Model	Units	Capacity
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> kW
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> kW
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> kW
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> kW
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> kW
Existing inverters			<input type="text"/> <input type="text"/> <input type="text"/> kW
Total			<input type="text"/> <input type="text"/> <input type="text"/> kW

WP authorised inverter Yes, on current Western Power list of authorised inverters

Bi-directional meter Yes, inverters are connected via a bi-directional meter

WP authorised connection Yes, is < 3 kW and complies with Western Power's pre approval criteria
 Yes, is < 30 kW and has been approved
 Yes, is ≥ 30 kW and approved under a network access arrangement

Application reference is

Electrical Contractor declaration

Trading name

EC number

Name (please print)

I declare that the above details are correct and connection has been authorised by Western Power.

Please tick to accept Date / /