



Institute of Electrical Inspectors

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Grid Connect Solar Installations Checklist – Victoria - January 2010

Requirement	Citipower	Powercor	Jemena North	Jemena South	SP Ausnet
Main Switch Labelled: “Main switch AC Supply”	YES	YES	YES	YES	YES
Solar Main Switch labelled: “Solar Supply Main Switch”	YES	YES	YES	YES	YES
Overhead Supply - Warning Label attached to: Switchboard/s Meter Panel POA	YES YES YES	YES YES YES	YES YES YES	YES YES YES	YES YES YES
Underground Supply - Warning Label attached to: Switchboard/s Meter Panel (Beside Fuse) Conductors in Pit Pillar	YES YES YES YES	YES YES YES YES	YES YES YES YES	YES YES YES YES	YES YES YES YES
Label on switchboard with following details completed: Location of array: Open Cct DC volts: DC amps:	YES	YES	YES	YES	YES
Label on Inverter: Shutdown Procedure	YES	YES	YES	YES	YES
Lockable “Solar AC Main Switch” or, 1 Lockout Device supplied & capable of accepting Padlock with 5.5mm bolt at Switchboard containing Inverter AC Main Switch	YES	YES	YES	YES	YES
Solar AC Supply Neutral conductor adequately labelled inside switchboard: “Solar Neutral”	YES	YES	YES	YES	YES
DC Isolator at PV Array has adequate DC rating and labelled: “DC Isolator”	YES	YES	YES	YES	YES
DC Isolator at Inverter has adequate DC rating and labelled: “DC Isolator”	YES	YES	YES	YES	YES
Tests: Earth Continuity tests IR test of cabling Polarity Test NST or load test Open Cct DC Volts Islanding & Anti Islanding test of Inverter	Applicable tests as required				

AS NZS 3000:2007 Clause 7.3.8.2.3 Connection – The method of connection of a grid-connected inverter system shall be in accordance with the AS4777series of Standards in conjunction with the requirements of the Electricity Distributor.

Note: Electricity Safety Installations Regulations 2009 – Clause 210 - Warning labels are required on all switchboards that will be energised by the consumer electricity generation system and any fire indicator panels, stating:
“Warning—this premises contains an electricity generation system” and the location of the isolation switch or switches.

Disclaimer: The above checklist is for guidance only. The Institute of Electrical Inspectors accepts no liability for the content of this document, or for the consequences of any actions taken on the basis of the information provided. Users should seek further advice and clarification from the relevant authority if unsure of any requirements that are not encompassed by the attached checklist.