



**AC Solar Warehouse
Installation and
Commissioning Checklist**

Installation and Commissioning Checklist

AC Solar System Installation and Commissioning Checklist

INSTALLATION DETAILS			
Address of Installation:			
PV Module Manufacturer and Model Number:			
Inverter Manufacturer and Model Number:			
Number of Modules:		Number of Inverters:	

PV ARRAY					
#1	PV Array Orientation°	PV Array Tilt°	
#2	PV Array Orientation°	PV Array Tilt°	
#3	PV Array Orientation°	PV Array Tilt°	
#4	PV Array Orientation°	PV Array Tilt°	
#5	PV Array Orientation°	PV Array Tilt°	
Array frame is certified to AS1170.2 for installation location		<input type="checkbox"/>	Array frame is installed to manufacturer's instructions		<input type="checkbox"/>
Roof penetrations are suitably sealed and weatherproofed		<input type="checkbox"/>	No galvanically dissimilar metals are in contact with the array frames or supports		<input type="checkbox"/>
Weatherproof PV array AC Isolator mounted adjacent to the array		<input type="checkbox"/>	Wiring is protected from mechanical damage and is appropriately supported		<input type="checkbox"/>
(Rating: VAC, AAC)					

INVERTER	
Maximum number of microinverters installed per branch within manufacturer's specifications	<input type="checkbox"/>
Each branch is terminated appropriately	<input type="checkbox"/>
Lockable AC circuit breaker/s mounted within the switchboard to act as the solar system main switch	<input type="checkbox"/>
(Rating:A)	
Inverters are installed and connected as per manufacturer's specification	<input type="checkbox"/>
Inverters cease supplying power within two seconds of a loss of AC mains	<input type="checkbox"/>
Inverters do not resume supplying power until mains have been present for more than 60 seconds	<input type="checkbox"/>

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LV DC and AC INSTALLATION	
All low voltage wiring has been installed by a licensed electrical tradesperson <input type="checkbox"/>	All wiring has been tested and approved by a qualified electrical tradesperson <input type="checkbox"/>
Voltage Drop from AC Isolator to Main Switchboard is less than 1% <input type="checkbox"/>	Surge protection installed <input type="checkbox"/> Y / N

CONTINUITY CHECK	
Continuity of all earth connections (including module frame) <input type="checkbox"/>	

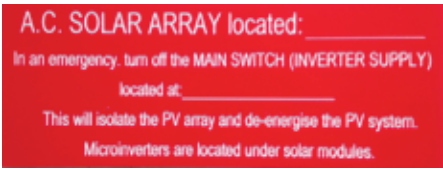


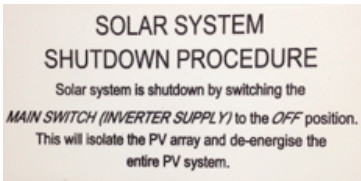


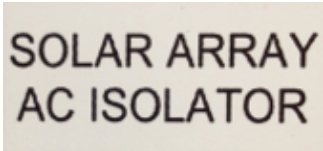

INSTALLER INFORMATION	
CEC Accredited Installer's Name:	
CEC Accreditation Number:	
Date of system commissioning:	

I verify that the above system has been installed to all relevant standards

Signed:	Date:
CEC Accredited Designer's Name:	
Licensed Electrician's Name: (Where applicable, e.g. LV work)	
Electrician's License Number:	

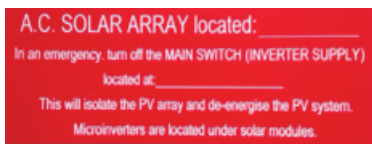


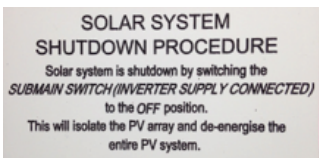
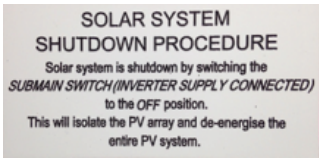

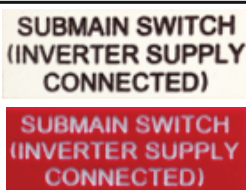
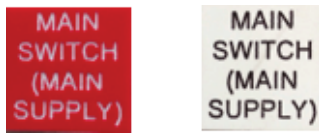
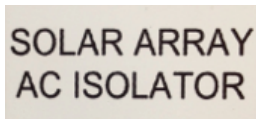

Switchboard Label Descriptions and Locations

PV system connected directly to the main switchboard (requires standard label kit).

SIGNAGE		
	<p>Installed within the main switchboard and visible when the door is open. Location of the Solar Array and the Main Switch are required to be handwritten on the label.</p>	<input type="checkbox"/>
	<p>Installed on the main switchboard. Location of the isolation switch is required to be handwritten on the label. This label is only required in Victoria.</p>	<input type="checkbox"/>
	<p>Installed on the switchboard to which the solar system is directly connected.</p>	<input type="checkbox"/>
	<p>Installed adjacent to and visible from the Main Switch (Inverter Supply).</p>	<input type="checkbox"/>
	<p>Installed adjacent to the main switch for the installation. Use colour as per local requirements.</p>	<input type="checkbox"/>
	<p>Installed adjacent to the main switch for the solar system. Use colour as per local requirements.</p>	<input type="checkbox"/>
	<p>Installed on or adjacent to AC Isolators (on the roof or close to the array).</p>	<input type="checkbox"/>
	<p>Installed on or immediately adjacent to the meter box and main switchboard so as to be readily visible to approaching emergency workers.</p>	<input type="checkbox"/>

Switchboard Label Descriptions and Locations

PV system connected directly to a sub board (requires standard label kit plus sub-board label kit).

SIGNAGE		
	Installed within the main switchboard and visible when the door is open. Location of the Solar Array, the Main Switch (Inverter Supply), and location of the sub-board that the solar system is connected to are required to be handwritten on the label.	<input type="checkbox"/>
	Installed on the main switchboard. Location of the isolation switch is required to be handwritten on the label. This label is only required in Victoria.	<input type="checkbox"/>
	Installed in a prominent position on the main switchboard and all intermediate switchboards. The location of the switchboard that the solar system is directly connected to is required to be handwritten on the label.	<input type="checkbox"/>
	Installed adjacent to and visible from the Sub Main Switch (Inverter Supply Connected) located on the main switchboard.	<input type="checkbox"/>
	Installed adjacent to and visible from the Main Switch (Inverter Supply) on the sub-board that the solar system is directly connected to.	<input type="checkbox"/>
	Installed on the main switchboard adjacent to the main switch for the installation. Use colour as per local requirements.	<input type="checkbox"/>
	Where the solar system is connected to a sub-board, this label is installed on the isolation switch for that sub-board on any up stream main switchboard or distribution board. Use colour as per local requirements.	<input type="checkbox"/>
	Installed adjacent to the main switch for the solar system on the sub-board that it is directly connected to. Use colour as per local requirements.	<input type="checkbox"/>
	Installed on or adjacent to AC Isolators (on the roof or close to the array).	<input type="checkbox"/>
	Installed on or immediately adjacent to the meter box and main switchboard so as to be readily visible to approaching emergency workers.	<input type="checkbox"/>