

Grid-connected Photovoltaic Systems (GCPV)



Ten most common labelling issues to check on your installation

This document summarises the 10 most common Grid-connected Photovoltaic (GCPV) labelling non-compliances identified through inspections under the Small-scale Renewable Energy Scheme (SRES).

Installers are encouraged to check their installations for these common issues.

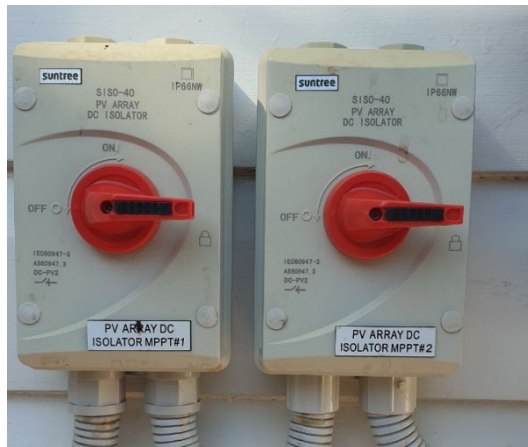
Information sheets providing more information about common non-compliances for these labelling requirements, are available in the Grid-connected [Photovoltaic Labelling Non-compliances](#) page of the SAA website.

Item to check		CER Checklist item / Standard & clause
<p>1 Solar system layout is shown on a plan (map or drawing) suitably affixed and protected at the main switchboard and/or meter box.</p> <p>The sign information is in English and correctly labelled.</p> <p>The sign shows installation address, building plan with location of PCE and PV array(s), correct map legend, location of the site information sign with the words "you are here", components on the drawing that are indicative of the actual installation, and installation date.</p>		<p>SIGN11 AS/NZS 5033:2021 Clause 5.6.1</p>
<p>2 Where the installed PV System is DC, the site information at the Main Switch Board and/or Meter Box includes the path of the d.c. cabling, location of d.c. disconnection point(s) indicated by "DP", location of additional load break disconnector(s), PV array size, d.c. voltage and warning on d.c. disconnection type(s) can only be operated by suitable qualified personnel.</p>		<p>SIGN12 AS/NZS 5033:2021 Clause 5.6.1.1</p>
<p>3 Where a "Disconnection Point" has been provided, the sign "WARNING: LOADS MUST BE ISOLATED AND CIRCUIT MUST BE TESTED FOR THE ABSENCE OF CURRENT BEFORE UNPLUGGING" is attached to both the positive and negative cable within 100 mm of the disconnection point of the PV string. The minimum text size is 10 mm.</p>		<p>SIGN14 AS/NZS 5033:2021 Clause 5.5.2.2</p>

Item to check	CER Checklist item / Standard & clause
<p>4 The sign "WARNING: HAZARDOUS d.c. VOLTAGE Solar d.c. cables in conduit have been installed in this ceiling space. The conduit is labelled 'SOLAR' and care must be taken while working nearby. The internal solar d.c. cables may be live and must not be disturbed or damaged," is present within accessible ceiling or floor space.</p> 	<p>SIGN13 AS/NZS 5033:2021 Clauses 5.3.1.2 and 4.4.5.2.3 (after Figure 4.6)</p>
<p>5 A 100 mm diameter circular green reflector PV sign with the letters AC, DP, or SW indicating the isolation method is installed on or adjacent to the meter box and switchboard and is readily available to be seen by approaching emergency workers.</p>	 <p>SIGN7.2.1 AS/NZS 5033:2021 Clause 5.4</p>
<p>6 Where a "Disconnection Point" has been provided, the sign "WARNING: PV STRING DISCONNECTION POINT" is attached to the PV module or structure within 300 mm of the disconnection point to identify the location of the disconnection point. The minimum text size is 10 mm.</p>	 <p>SIGN15 AS/NZS 5033:2021 Clause 5.5.2.2.</p>

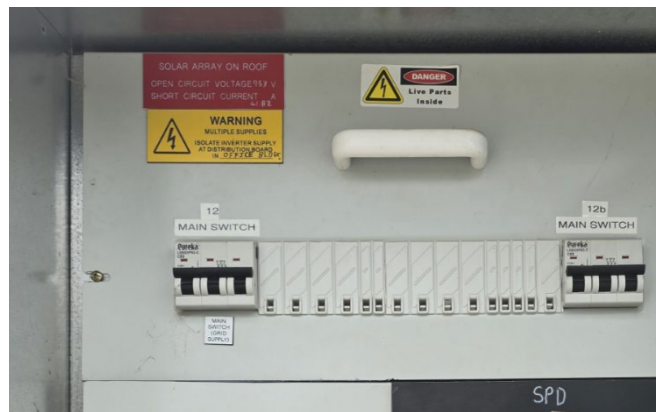
Item to check	CER Checklist item / Standard & clause
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7 d.c. isolator/s near inverter and the array are appropriately marked.



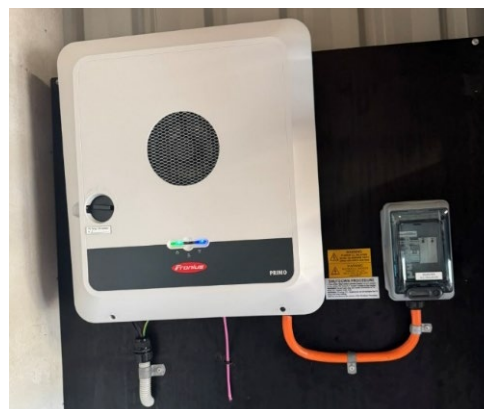
SIGN8.1.1
AS/NZS 5033:2021
Clause 5.5.1, AS/NZS 3000:2018 Clause 2.3.4.4

8 If the solar system is connected to a distribution board, the following sign is located on the main switchboard and all intermediate distribution boards "WARNING MULTIPLE SUPPLIES ISOLATE INVERTER SUPPLY AT DISTRIBUTION SWITCHBOARD AT (LOCATION)".



SIGN3.1
AS/NZS 4777.1:2024
Clause 6.4.

9 Shutdown procedure is correct and is permanently fixed at inverter and/or on main switchboard.
For PV array disconnectors, the shutdown procedure shall include "WARNING: PV ARRAY D.C. ISOLATORS DO NOT DE-ENERGIZE THE PV ARRAY AND PV CABLES."



SIGN14
AS/NZS 5033:2021
Clause 5.7

Item to check	CER Checklist item / Standard & clause
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10 Grid supply main switch is labelled 'MAIN SWITCH (GRID SUPPLY)' or similar, which is required when the inverter is directly connected to the main switchboard.

SIGN9.1.1.1
AS/NZS 4777.1:2024
Clause 6.3 (b)

