

SIGN3.1 – Information Sheet

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Overview

CER Checklist item: SIGN3.1

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)".

Standards reference: AS/NZS 4777.1:2024 Clause 6.4.

1. Introduction

SAA has analysed Clean Energy Regulator (CER) inspection data to identify the most common areas of non-compliance. Based on these insights, we have developed educational resources that highlight where issues typically arise and offer practical guidance to support installers in achieving compliance. This document should be read in conjunction with the relevant Standard(s).

SIGN3.1 shall comply with the requirements of AS/NZS 4777.1:2024 Clause 6.4.

This document outlines the key requirements for correct installation of equipment and includes examples of observed non-compliances to highlight common installation errors and help prevent their recurrence.



Figure 1: 'Warning Multiple Supplies' label has been compliantly installed at the MSB indicating the location of the distribution board to isolate the inverter supply.

2. Key Requirements for compliant SIGN3.1

AS/NZS 4777.1:2024 Clause 6.4 - Sign for other switchboards

Where the IES is directly connected to a distribution switchboard, signs shall be installed in prominent positions on the main switchboard and all distribution switchboards electrically connected between the main switchboard and the distribution switchboard to which the IES is directly connected. These signs shall contain the text “WARNING”, “MULTIPLE SUPPLIES” and “ISOLATE INVERTER SUPPLY AT DISTRIBUTION SWITCHBOARD” and “LOCATION”, where “LOCATION” refers to the physical location of the switchboard that the IES is directly connected to.

NOTE An example is provided in Appendix A.



Figure 2: Example of a compliant sign for a main switchboard or distribution switchboards when the IES is connected to a subsequent distribution switchboard. Location information to be included at time of installation.

3. Common non-compliances identified with CER checklist item

3.1 Incorrect Multiple supplies label applied



Figure 3: Incorrect 'Multiple supplies' label applied.

- a) **Non-compliance:** It is commonly observed that installers incorrectly apply the “Multiple Supplies” label without identifying the distribution switchboard to which the IES is directly connected, as required by AS/NZS 4777.1:2024 Clause 6.4 (see Figure 3).

Labels that do not clearly specify the location of the distribution switchboard supplying the inverter fail to meet the intent of the Standard and do not provide adequate guidance for safe isolation.

The use of alternative or generic labelling that falls outside the prescribed wording and format of the Standard is frequently identified as non-compliant during CER inspections and will commonly result in a defect being raised, as the signage does not meet the applicable regulatory requirements.

- b) **Best Practice:** Installers should use the prescribed “WARNING MULTIPLE SUPPLIES” label format and clearly specify the exact location of the distribution switchboard to which the IES is directly connected. Labels should be completed legibly, permanently fixed at the main switchboard and all relevant intermediate distribution boards, and verified during commissioning and handover to ensure emergency services and maintenance personnel can quickly and correctly isolate the inverter supply.