

# SB & Labelling 28 – Information Sheet

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Version 1.0

## Overview

### CER Checklist item: SB & Labelling 28

Has the main switch for alternative supply from the battery system/inverter been labelled "MAIN SWITCH (ALTERNATIVE)"?

**Standard reference:** AS/NZS 4777.1:2024 Clause 6.3 (d).

## 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).

**SB & Labelling 28 shall comply with the requirements of AS/NZS 4777.1:2024 clause 6.3 (d).**

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.

## 2. Key Requirements for compliant S&B Labelling 28

### **AS/NZS 4777.1:2024 Clause 6.3 Signs for the switchboard to which the IES is directly connected**

The following signs shall be installed on the switchboard to which the IES is directly connected:

- (a) The main switch for the IES supplementary supply shall be labelled "MAIN SWITCH (INVERTER)". Where there is more than one IES supplementary supply other wording associated with the energy source may be added to the label e.g. "MAIN SWITCH (SOLAR INVERTER)". Where an IES has a IPSP providing supplementary supplies to an electrical installation as part of a multiple electrical installation, the label for each supplementary supply main switch shall be labelled "MAIN SWITCH (INVERTER)" and be followed by additional information to identify the associated electrical installation as part of a multiple electrical installation and be consistent with terminology used in the multiple electrical installation.
- (b) Where the inverter is connected to the main switchboard, the main switch for the grid supply shall be labelled "MAIN SWITCH (GRID)".
- (c) Where the inverter is connected to a distribution switchboard and where there is a main isolator/s for the distribution board it shall be labelled "MAIN ISOLATOR (GRID)".

- (d) The main switch for the IES alternative supply shall be labelled “MAIN SWITCH (ALTERNATIVE)”.
- (e) The main switch for the IES Independent supply shall be labelled “MAIN SWITCH (INDEPENDENT)”.
- (f) The overcurrent protection device for the independent inverter a.c. input port shall be labelled “ISOLATOR (GRID INPUT)”.
- (g) A warning sign containing the text “WARNING”, “MULTIPLE SUPPLIES” and “ISOLATE ALL SUPPLIES BEFORE WORKING ON THIS SWITCHBOARD”, and shall be in a prominent position on the switchboard and visible to personnel operating at the switchboard. All main switch labels shall be identified in accordance with AS/NZS 3000.

*NOTE: In some areas, alternate words may be used for “grid” to indicate the grid supply or the supply from the electricity distributor; acceptable alternatives that can be used for “grid” include “mains” and “normal”. Where a main switch is for both a supplementary supply and an alternative supply, the main switch shall be labelled as per (d) above.*

**Also see: AS/NZS 4777.1:2024 Clause 6.1 Requirements for signs and labels**

This clause contains requirements for the colour, size, durability of signs and labels.



**Figure 1: AS/NZS 4777.1:2024 Figure A.13 — Typical signs for main switch of alternative supply.**

### 3. Common non-compliances identified with this CER checklist item

- 3.1 The protection device that the battery system alternative supply is connected to has not been labelled "MAIN SWITCH (ALTERNATIVE)" as required.

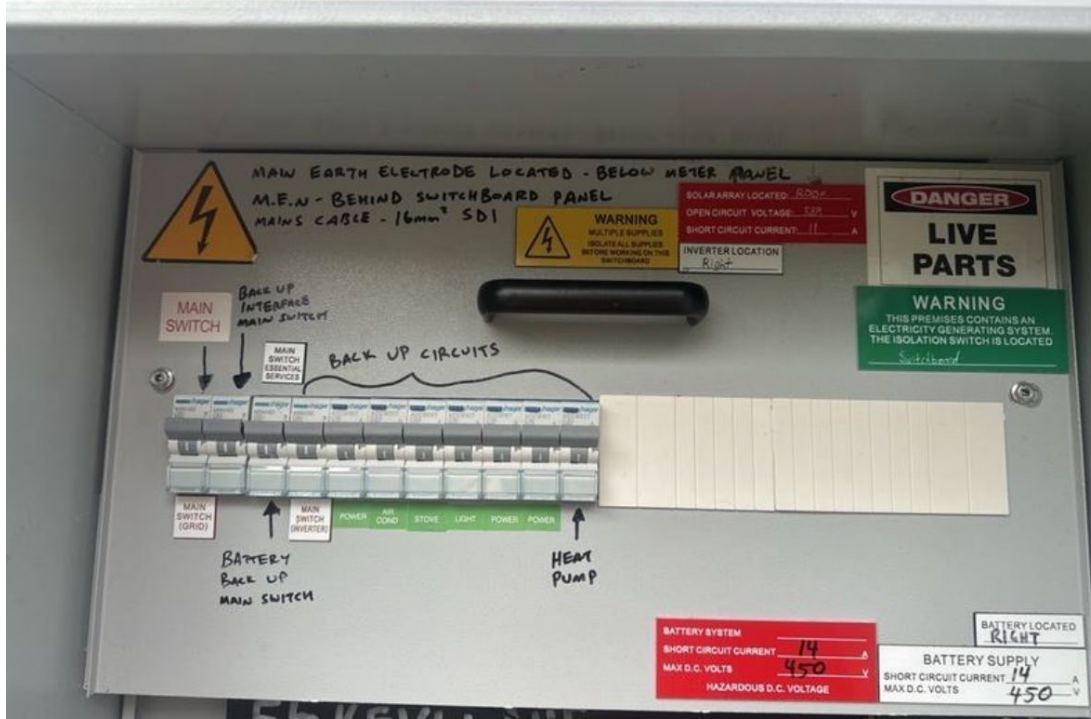


Figure 2: Non-compliant - MAIN SWITCH 'ALTERNATIVE' has not been applied as required.

- Non-compliance:** This label is frequently missing or applied using incorrect terminology, and both issues are considered non-compliant, resulting in defects. The label is critical for identifying the correct isolation procedure and ensuring the safety of anyone working at the switchboard.
- Best Practice:** Variations of the word "alternative" must not be used on main switch labels. The Standards specify the exact supply-type terminology required, and this must be followed without deviation. Use a labelling supplier whose kits include fully compliant labels or purchase the correct labels individually and keep them stocked in your work vehicle to ensure you always meet the current requirements.



Figure 3: Compliant - labelling of “MAIN SWITCH – ALTERNATIVE” at a load centre.