DC Battery Label Kit Part No: KDCB02 CLEAN **ENERGY** COUNCIL **Instructions for fixing your labels** These labels have been produced by a team of professional Page 1 engravers & printers who are Clean Energy Council Members. This kit fully complies with the current AS/NZS 5139 & Clean **Energy Council BESS Label Requirements. This kit has been** examined by CEC. The fixing instructions below have been supplied by CEC. Refer to the Section 4 BESS label requirements. AS/NZS5139 **Please note:** No responsibility is taken by the manufacturer or distributor in supplying these instructions. **Danger Risk of Battery Explosion** DANGER Fixed adjacent to the enclosure or on all doors where the battery system is located AS/NZS5139 Clause 7.8 SMOKING **Restricted Access** RESTRICTED ACCESS Fixed adjacent to the enclosure or on all doors where the battery PERSONNEL ONLY system is located AS/NZS5139 Clause 7.5 **Danger Toxic Fumes** DANGER Fixed adjacent to the enclosure or on all doors where the battery system is located AS/NZS5139 Clause 7.9 TOXIC FUMES FIRE WILL CAUSE TOXIC FUMES x 2 Battery Shutdown Procedure Fixed adjacent to the PCE to which the battery system is connected and adjacent to and visible from the equipment to be operated in SHUTDOWN PROCEDURE STEP1. Turn off the INVENTER AC ISOLATOR or MAIN SWITCH (INVERTER) located in the Switchboard STEP2, isolate the PV Array Turn off the DC Isolators STEP3. Turn off the BATTERY DC ISOLATOR the event of a shutdown. AS/NZS5139 Clause 7.16 ManufacturerSupplier Name: Council has advised: SHUTDOWN PROCEDURE STEP1. Turn off the INVERTER AC ISOLATOR or MAIN SWITCH INVERTER) located in the Switchboard STEP2, Isolate the PV Array Turn off the BC Isolators STEP2. Turn off the BC Isolators emenic Shuldown Procedure for the battery inly and may not suit your pecific requirements. ManufacturerSupplier Name: .

	Battery Supply If the voltage is DVC-A, fix the label adjacent to the battery enclosure or			
	on all doors to the battery system or BESS room. Refer to AS/NZS5139 Clause 7.6			
BATTERY SUPPLY SHORT CIRCUIT CURRENTA MAX D.C VOLTSV	Battery levels for Decisive voltage classification (DVC) from AS/NZS5139 Table 3.2			
	A ≤60 Vdc B ≤120 Vdc C >120 Vdc			
	If the voltage is A, you need the "Battery Supply" Label (white/black label) x 2 ES (Green Reflective)			
ES	Fixed on the outside of the Meter Panel & Main Switchboard, visible on approach to the property. AS/NZS5139 Clause 7.3			
WARNING MULTIPLE BATTERY SYSTEMS TURN OFF ALL BATTERY SYSTEM ISOLATORS TO ISOLATE EQUIPMENT	Warning Multiple Battery Systems Fixed adjacent to the PCE connected to the multiple battery systems. AS/NZS5139 Clause 7.12.3			
WARNING BATTERY SYSTEM D.C. ISOLATORS DO NOT DE-ENERGISE THE BATTERY SYSTEM AND BATTERY SYSTEM CABLING WARNING PV ARRAY D.C. ISOLATORS DO NOT DE-ENERGISE THE PV ARRAY AND ARRAY CABLINGS	x 2 Warning Labels Mounted Together To be place with the appropriate shutdown procedure located at the Inverter and the Main Switchboard These labels should be mounted together. ASNZ5139 Clause 7.17 & Figure B.15			
WARNING ARC FLASH HAZARD ARC FLASH HAZARD ARC FLASH FLASH DEPROPRIATE PPE AND TOOLS REQUIRED WHILE WORKING ON THIS EQUIPMENT	Warning Arc Flash Hazard Fixed adjacent to the enclosure or on all doors where the battery system is located. AS/NZS5139 Clause 7.16			
WARNING DO NOT DISCONNECT UNDER LOAD	Warning Do Not Disconnect Under Load Disconnectors for DVC-B & DCV-C systems and HRC fuse holders. Fixed adjacent to or on each disconnector or HRC fuse holder AS/NZS5139 Clause 7.12.4 and 7.13.3			
WARNING MULTIPLE MODE IES CONNECTED NEUTRAL AND EASTH CIRCUITS MAY BE LIVE UNDER FAULT CONDITIONS FOLLOW SHUTDOWN PROCEDURE	Warning Multiple Mode IES Connected AS/NZS 4777.1:2024 6.8 Signs for multiple mode inverters A warning sign shall be installed in the main switshboard, and all			
	A warning sign shall be installed in the main switchboard, and all distribution switchboards electrically connected between the main switchboard and a distribution			
	switchboard to which an IES is directly connected, warning that a multiple mode inverter with alternative supply or independent supply mode is connected, including the requirement to follow the shutdown			
	procedure for safe isolation.			



Warning Essential Supply Circuits

AS/NZS 4777.1:2024, Clause 6.2

Where the energy source is not de-energized when the IES is shutdown, a warning shall be included in the emergency shutdown procedure indicating that isolation of the energy source, by shutting down the inverter and isolating the IES, may not deenergize the energy source and further actions may be required. This label is only required for battery systems that provide an Alternate (back up) supplies

AS/NZS 4777.1:2024 – Clause 6.2, Note 2: Manufacturer instructions for startup and shutdown procedures may have optional requirements

BATTERY SYSTEM SHORT CIRCUIT CURRENT MAX D.C. VOLTAGE HAZARDOUS D.C. VOLTAGE	Battery System Where multiple battery systems are installed within one electrical installation, there shall be a sign for each battery system. AS/NZS5139 Clause 7.6 Battery levels for Decisive voltage classification (DVC) from AS/NZS5139				
	Table 3.2 A ≤60 Vdc B ≤120 Vdc C >120 Vdc If the voltage is A, you need the white label (Battery SupplyA,V) If the voltage is B or C, you only need the red label.				
ELECTROLYTE BURNS Inmediately such inferior area with plays of early finded area with plays of early finded area with 1. Figurated sections 1. FYE BURNS 1. Figurated and provided area of the section of	Electrolyte Burns Fixed adjacent to the enclosure or on all doors where the battery system is located ASNZS5139 Clause 7.10				
BATTERY SYSTEM D.C. ISOLATOR	Battery System D.C. Isolator Fixed to the battery system isolation device in a prominent location. ASNZS5139 Clause 7.12.2 Note: See other clauses in 7.12 & 7.13				
BATTERY	x 2 Battery Fixed to battery cabling not enclosed in conduit. AS/NZS5139 Clause 7.1.4				
00223456789 00223456789	These engraved numbers can be easily peeled off and adhered to your round, green reflective "ES" labels to indicate the UN number for the battery chemistry you are installing. This is not mandatory.				
BATTERY LOCATED	Fixed adjacent the MAIN SWITCH for the Battery System ASNZS4777.1				
MULTIPLE BESS SUPPLIES BESS# 1/ SHORT CIRCUIT CURRENTA MAXIMUM D.C.VOLTAGEY	Multiple BESS Supplies Where multiple battery systems are installed within the one electrical installation, there shall be a sign for <u>each</u> battery system installed adjacent to the battery enclosure or on all doors to the battery system. Refer to AS/NZS5139 Clause 7.6				
MAIN SWITCH ESSENTIAL SERVICES MAIN SWITCH (BATTERY) ISOLATOR (GRID INPUT) MAN SWITCH (INDEPENDENT) MAN SWITCH (INDEPENDENT) MAN SWITCH (INDEPENDENT) MAN SWITCH (INDEPENDENT)	Signs for the switchboard to which the IES is directly connected AS/NZS 4777.1:2024 Clause 6.3 These signs shall be installed on the switchboard to which the IES is directly connected				