

MANAGING LITHIUM BATTERIES



LBM-BT
Lithium Battery
Bluetooth® Monitor



REF	P/NO.	DESCRIPTION
1	LB100	12V 100Ah
2	LB100-HD	12V 100Ah High Discharge
3	LB200-HD	12V 200Ah High Discharge
4	LB400-HD	12V 400Ah High Discharge

OPERATING & STORAGE SAFETY

Projecta is committed to safety in the construction and operation of their Lithium Batteries. All units are built to meet or exceed Australian and New Zealand safety standards and the -HD batteries are made with facility to monitor directly or remotely via the Bluetooth® enabled LBM-BT Monitor. Part of that safety standard is to provide information on proper installation. The LB100 will need to be connected to a State of Charge monitor like the BM500-BT or INTELLI-RV system. The Australian and New Zealand Standard AS/NZS3001.2:2022 is as follows:

BATTERY LOCATION REQUIREMENTS

Clause 5.4.12.2

LOCATION

Lithium Batteries Shall –

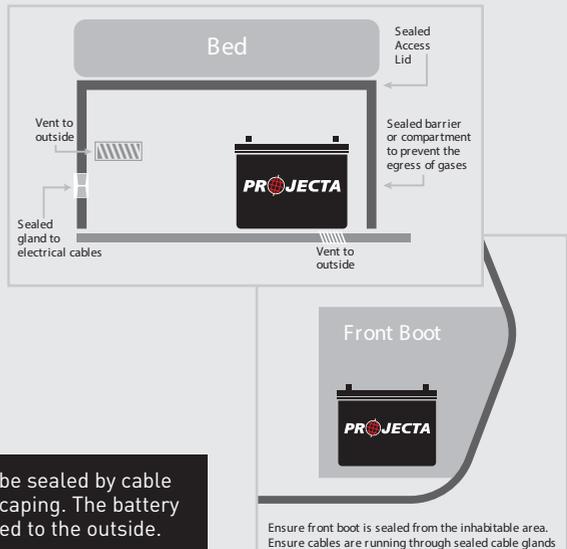
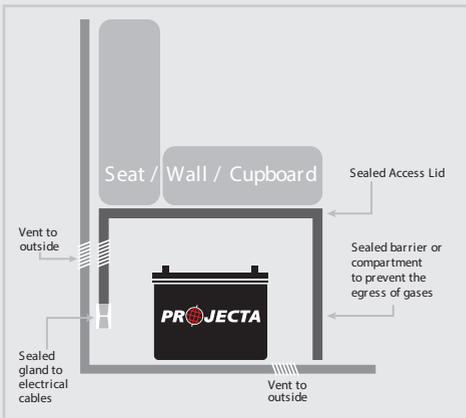
1. Be installed externally, ie. behind a wall, compartment or barrier that prevents the egress of gases into the habitable area and
2. Not enter the habitable area of the structure; and
3. Be installed to operate within the manufacturer's defined operating temperatures including IP rating; and
4. Be installed in a suitable battery container where the battery manufacturer has not provided encapsulated cells

ESSENTIAL STEPS FOR SAFETY

In addition to the location of installation, care should be taken to comply to other aspects of the standard. This includes but is not limited to the below:

- Ensure easy access to batteries via a panel or hatch
- Attach a warning label that identifies dangers if the panel is not sealed/hatch is not sealed
- Ensure appropriate ventilation of the battery compartment to the outside
- Mount the battery securely in the battery compartment
- Check all connections
- Charge, discharge and recharge the battery to check for any faults

SAFE LITHIUM BATTERY INSTALLATION



Cables into the battery box or container must be sealed by cable glands or equivalent to prevent gases from escaping. The battery compartment must also be appropriately vented to the outside.



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the Projecta Lithium
Battery Range

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