

Narara Ecovillage

Revision 1 – 08 November 2016



Battery – Specification Sheet

Standards

- National Construction Code (Building Code of Australia)
- AS/NZS 3000 Electrical Wiring Rules
- AS 3100 Approval and Testing of Electrical Equipment
- AS 4777 Grid Connection of Energy Systems via Inverters

Requirement

Provide from a manufacturer with certified rating data a factory assembled Lithium Ion (Lithium Manganese Oxide) battery complete with junction box, name plate, grounding connection, fixing points and control system.

Warranty

Provide 5-year factory product warranty and 10-year factory performance warranty.

Efficiency

Minimum efficiency = 80.0 %

Construction

Protection: IP 65 rated.

Housing: Weather proof / sun resistant polymer.

Seals: Water proof silicon.

Protective Devices:

The unit shall be factory fitted with the following protective devices:

- Input side disconnection points.
- Ground fault monitoring.
- DC reverse polarity protection.
- All-pole sensitive residual current monitoring unit.

Performance Parameters

Input voltage: 125 V (minimum) – 750 V (maximum).

Input current: 15 A (maximum).

Output voltage: 125 V (minimum) – 750 V (maximum).

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Output current: 15 A (maximum).

Temperature: - 10 °C to 40 °C.

DC connections: spring cage terminal.

Display: Graphic LED or LCD.

Communications: Ethernet RJ45 connection or wireless.

Control

The unit shall be supplied with a complete DC control system cable of power management.