

# Narara Ecovillage

Revision 1 – 08 November 2016



## Demand Management System – Specification Sheet

### Standards

- National Construction Code (Building Code of Australia)
- AS/NZS 3000 Electrical Wiring Rules

### Requirement

Provide from a manufacturer with certified rating data a factory assembled demand management system complete with protective devices, voltage sensors, current sensors, relays and communications connections.

### Warranty

Provide 2-year factory warranty.

### Construction

Protection: IP 65 rated.

Housing: Weather proof / sun resistant polymer.

Seals: Water proof silicon.

### Performance Parameters

Single phase and three phase power configuration control.

Voltage sensor: 85 – 264 V line to neutral or line to line AC voltage sensing.

Current sensor: 60 A.

Relay: 12 VCD control port voltage.

200 mA maximum relay current draw.

Voltage: 100 V (minimum) – 240 V (maximum).

Temperature: - 20 °C to 55 °C.

Communications: Ethernet RJ45 connection, wireless or 3G.

Compatibility: Z-Wave, Zigbee or GSM.

### Control

The unit shall be supplied with a complete programmable control system cable of power management and full management of the photovoltaic array, battery, inverter and AC connection to the electrical distribution network. The unit shall also be capable of controlling any device that operates on one of the matching compatibility protocols.