

Supplier Declaration of Conformance

Manufacturer: Energie Est, Lda (Portugal)

Importer: The Alternative Energy Company Limited

Product: Energie Eco

Inclusions: Cylinders (Eco 250esm, Eco 280i, Eco 500is), solar collectors, heat exchangers, pressure reducing valve, pressure relief valve & safety group

The Alternative Energy Company Limited is the nominated supplier of the Energie solar boosted water heating systems. We are satisfied that the noted systems comply with the relevant clauses of AS/NZS 2712 as listed below and other mentioned standards and guides.

AS/NZS 2712 Clauses met by above mentioned system:

2.2 – Material in contact with drinking water

2.3 – Facilities for installation

2.4 – Facilities for maintenance

3.2 – Construction and performance of containers

Supported by – Declaration of conformance from Energie Est, Lda (manufacturer)

3.3 – Marking of containers

4.2.2 – Fluid ways of Absorbers

Supported by – DIN Certificate ELM-006/2011

4.3.2 – Collector casing

4.3.3 – Sealing materials

4.9.1 – Provisions for mounting

4.9.2 – Strength

Supported By – Applied Research test report

5.3.1 – Stability

The refrigerant used (R134a) is stable when in use and compatible with materials used in the heat pump system.

5.3.2 – *This section does not apply as this product does not use a single wall heat exchanger with a pressurised primary fluid*

8.3.1 – Refrigerant type
Refrigerant R134a. Refrigerant Classification A1

8.3.2 – Maximum charge of refrigerant
The maximum charge of refrigerant is 900g

8.4.1 – Materials
The refrigerant used (R134a) is stable when in use and compatible with materials used in the heat pump system.

8.4.2 – Over-temperature protection
The system is fitted with a non-resettable thermal cut-out which complies with AS/NZS 3350.2.40

8.4.4 – Circulating pump construction
Pumps do not cause excessive noise/vibration and materials perform adequately.

8.4.5.1 – Controllers for circulating pumps and supplementary heating design
Controller design is suitable for interior mounting. Supplementary heating is designed to be used in emergency situations only.

8.4.6 – Pressure relief
The maximum mass charge of refrigerant is 900g which is less than the mass limit of 3kg.

8.4.7 – Heat Exchangers
The double walled heat exchanger allows leaking fluids to escape to the atmosphere.

Signed for on behalf of **The Alternative Energy Company Limited** by:



Geoff Read
Managing Director

Date: 24 / 01 / 14