



EcoGrady at a Glance

Summary of Presentation

- ▶ What is EcoGrady
- ▶ Key Benefits
- ▶ How EcoGrady works
- ▶ Patented heating technology
- ▶ Photo gallery
- ▶ Heater pad construction
- ▶ EcoGrady featured in the Smart Home configuration
- ▶ Testimonials



EcoGrady at a Glance

What is EcoGrady

- ▶ EcoGrady is a revolutionary, patented low power heating device that can be easily incorporated during the assembly process of all sizes of OEM hot water cylinders.
- ▶ it's a simple and quick modular system – the heater pads are adhered to the cylinder surface prior to foaming.
- ▶ when installed the customer will enjoy the benefits of very low cost hot water
- ▶ there's no need to worry about maintenance – EcoGrady is maintenance free



EcoGrady at a Glance

Key Benefits

- ▶ works with renewables such as PV or wind producing free hot water
- ▶ The low power 130W per 50 Litre EcoGrady pad system can be powered by solar PV, Wind or Battery.
- ▶ will be the most viable solution to mitigate the effects of daily variable or Time of Use (TOU) tariffs
- ▶ locations/markets with high irradiation levels benefit to an even greater extent
- ▶ EcoGrady is probably the best replacement and lowest cost alternative to any hot water resistive heating process



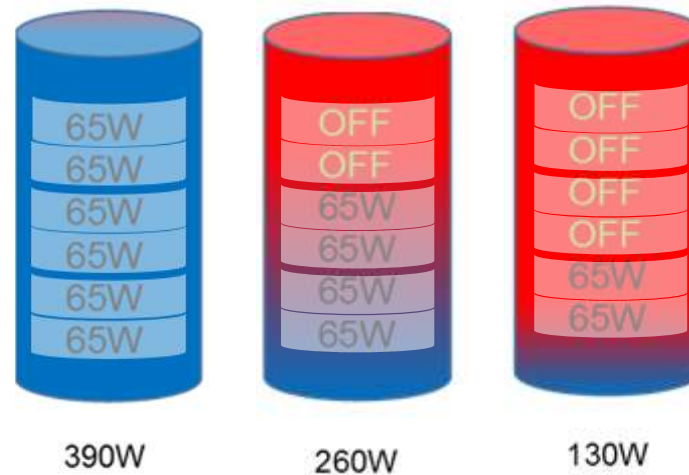
EcoGrady

EcoGrady at a Glance

Patented Ladder Heating Technology

Each pad uses a revolutionary flexible polymer with dual heating sections that are positioned horizontally to make up a 'ladder' type formation. This effectively applies heat to the cylinder in horizontal 'bands'. Each band is thermostatically controlled to a maximum of 80°C eliminating legionnaires risk. As water heats, stratification occurs and the bands automatically begin to turn off as the volume of heated water increases and optimum temperature is achieved. This patented method of heating automatically reduces the power consumption as the volume of hot water increases. Once recovery is achieved the system will continue to operate in 'low energy' mode, only increasing the energy consumption if required due to hot water usage.

The visual illustrates the patented 'ladder' heating effect on a 3 Pad 150ltr cylinder and shows the reducing power usage as the hot water stratifies over time.





EcoGrady
Photo Gallery

EcoGrady at a Glance

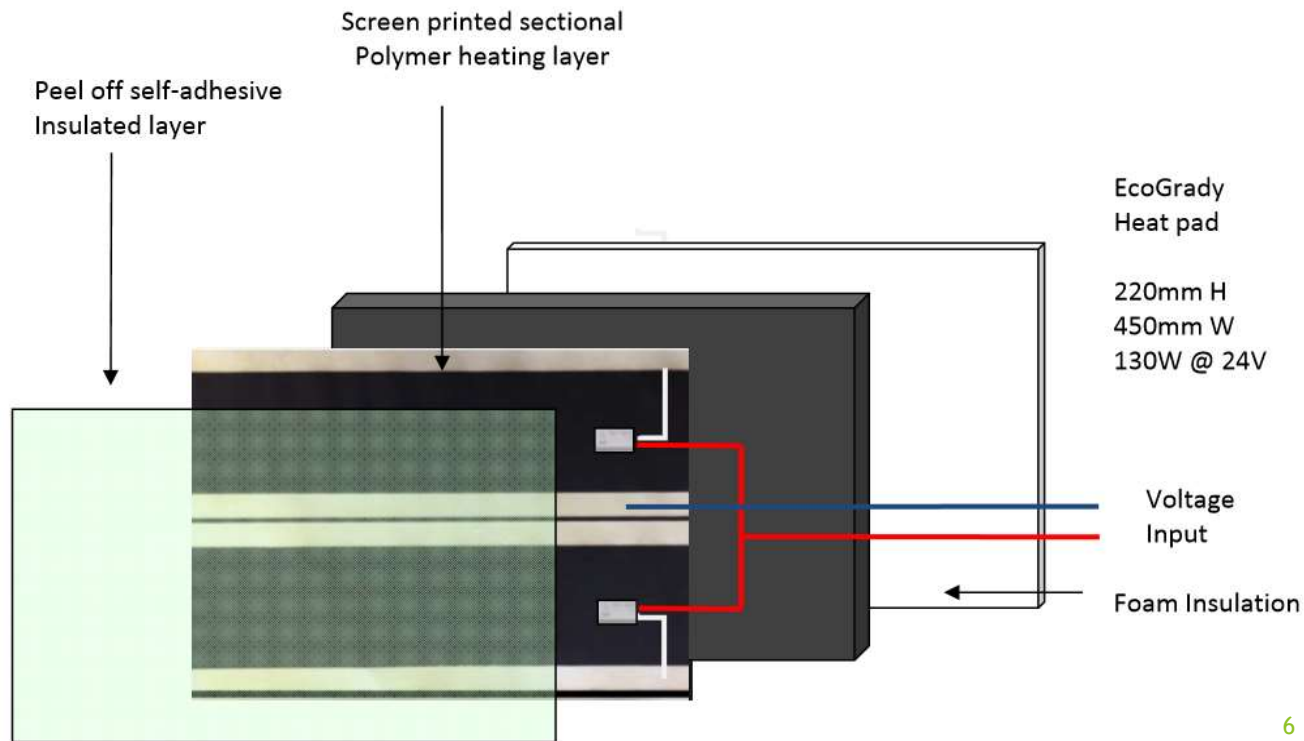




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Construction

The diagram below shows the internal construction of the EcoGrady modular heater pad. Each pad contains two individually thermostatically controlled heating sections. The pad has a self-adhesive surface and adheres directly to the tank wall. The bullet connecting cable is then exited through a suitable aperture and the desired number of EcoGrady modular pads to suit the application are simply connected together using a multi way adapter lead.



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SMART HOME FOR FUTURE

