

Case Study

Residential Solar and Heat Pump.

Eumundi, Queensland.

Two first home buyers from Queensland were helped by Ecovantage to install solar panels and a heat pump hot water system at their new home in Eumundi.

The Multi-Technology Project.

Eighteen 450W panels were installed covering about 36 m² on their roof (8.1kW solar system with a 6.6kW inverter). Ecovantage estimates that 13,400 kWh will be produced annually from this solar system. That's avoiding enough greenhouse gas emissions to power two cars each year!

As for the highly efficient electric heat pump hot water system (they use special gases expanding and reducing through coils much like a refrigerator) an 850W (190L) system was installed which will run on the energy created by the new solar system.

Not only will the new system avoid any gas bills, but the solar and heat pump combination will allow them to get a credit for any excess power from now on.

The Outcome.

Over the 20 year plus lifespan of these solar panels, the residents are expected to generate 269,820 kWh (over \$36,000) and will have a payback period within 2 years.

The multi-technology upgrade will not just save money, it has also reduced their household carbon footprint by an estimated 15 metric tonnes of CO₂ each year!

Key Benefits.

- Payback period of less than two years
- Lifetime savings of up to \$36,000
- Carbon footprint reduced by 15 tonnes of CO₂



"The entire experience was wonderful, and we couldn't be happier. The customer service has been fantastic! Everyone we have dealt with has been extremely professional and helpful.

We can now take advantage of the Queensland sun powering our home, saving costs and helping the environment at the same time.

Thank you, Ecovantage!"
- Eumundi Residents

Highlights.



Estimated lifetime savings
\$36,000



Payback period
<2 years



Annual CO₂ footprint reduction
15 tonnes