



# Solar Made Simple - House Case Study

## Electrification, 4.15 kW solar and a hot water heat pump

### North facing, adding solar panels

Maya was an early adopter of solar, installing a 1.5kW system and reverse cycle air-conditioners in 2010. She uses relatively little energy but was keen to do more for the environment so decided to replace her gas hot water with a heat pump system and install more solar panels. Her existing panels and inverter were fine after 12 years, so she added 10 new panels and an inverter giving 4.15 kW of additional capacity which works in parallel with her original system.

### What are the key benefits?

Maya now has a small monthly credit on each electricity bill, has stopped using gas which saves over \$120/quarter, plus the shading from the panels reduces the heat of her roof and keeps her kitchen and lounge cooler in summer.

**“A gas-free, all electric home with solar panels significantly reduces power bills and you may be in credit.**



### System size

4.15 kW panels



### Cost of solar installation after Government rebate

\$4,200 (\$1,010 per kW)



### Panels and inverter

Trina VertexS 415W panels and a Sungrow inverter



### Roof

North facing, 15 degree slope, with Snaplock sheeting



### Hot water heat pump

Reclaim heat pump \$5,000