



Solar Made Simple - Strata Case Study

7 unit townhouse strata complex with an all-electric unit

Strata by-laws to help solar installations

Chris & Gill had already installed a split system air-conditioning system and solar hot water, and disconnected from gas.

They wanted solar panels on the area of roof over their own townhouse.

Their strata agent suggested passing a bylaw to expand 'minor renovations' to include installing solar systems and heat pumps. This meant that future solar installations only needed the approval of the strata committee.

How did they electrify their townhouse?

They removed 15 year old solar hot water panels to make room for additional PV panels and installed a hot water heat pump system. The multiple roof faces meant using micro-inverters or optimisers, they chose the latter.

They installed a battery to avoid drawing on the grid during the evening peak.

Chris & Gill are now generally self-sufficient for electricity other than on cold, cloudy winter days.



System size

5.4kW



Cost of solar installation after Government rebate

Solar: \$7,400 (\$1,370 per kW)

Battery: \$13,500

HW heat pump: \$4,350



Panels and Inverter

14 Hyundai 390W with optimisers

Solaredge 5kW



Battery

Sonnen 9.6 kWh



Hot water heat pump

Reclaim with 315 litre tank