



Saunders Family

Solar My House: case study

“We love it. The solar panels and batteries pretty much run the heating in winter.”

Kate and Paul Saunders and their two kids, Mosman.

Size of solar system	12.25kW panels 13.5kWh battery
Cost of solar installation after Government rebate	\$33,000
Average daily solar generated	Summer 70kWh Winter 25kWh
Annual power savings	>\$4,000
Payback period	8 years

For the Saunders family in Mosman, the Covid pandemic meant working and studying from home for much of 2020. In spite of the additional heating, lighting and device charging, their power bills have dropped significantly. And it's all thanks to an energy audit and the installation of rooftop solar.

“We were getting \$1200 bills in winter. I just thought, ‘what are we doing? This is madness. We’re using too much,’ says Kate Saunders, mother of their two school-age children.

Getting smart about energy

Kate commissioned an energy audit from Adam Corrigan of Your Energy Friend, which guided her on minor alterations to make the house more energy-efficient, such as replacing bulbs with LEDs, fixing gaps and insulation. After obtaining quotes from several solar companies she also commissioned Solarpro to install a 12.5kW system comprising 35 LG NeON2 350w panels, a Solaredge SE6000H inverter, and a Tesla 13.5 kWh Powerwall.

Saving money and the environment

According to Kate the results are impressive: they saved over \$1100 on their Aug-October 2020 bill and paid nothing for their Nov 2020-Jan 2021 electricity. Instead, they received a \$160 credit.

“We love it. The solar panels and batteries pretty much run the heating in winter. There have been two blackouts to the grid so far. We look around and see everyone with their lights out, and we can still cook dinner, just like normal.

“I love that we’re net producers of electricity. We are literally beyond zero emissions.”

Key benefits

C0² emissions

13.1
tonnes saved
per annum

Car kilometres

76.8k
kms saved
per annum

Trees

198
trees planted
per annum