

Casula Residential – 12.6 kW Solar PV



GENERAL INFORMATION

Site Address: Casula NSW 2170

Building Type: Residential

Daily Electricity Usage: 100 kWh

SITE DESCRIPTION

- It is a new developed home which consumes a lot of energy dominated by pool consumption and desires to reduce the overall energy usage throughout the day

OUR SOLUTION

- Installed 12.6 kW PV system with 34 x Longi 370W modules and 1 x 10kW SMA Inverters. The installation happened together with the house construction to make sure all the cable runs are neat.
- With the new system installed in the property, it enables the owner to control their pool energy usage, by planning maintenance and run the pool pump during solar production hour and switch pump off at night in the future.
- Reduces electricity load by 36%



RESULTS



Estimated
Annual Savings

\$4,054



Annual CO₂e
Reduction

**13.21
Tonnes**



Payback

**2.3
Years**



Annual Electricity
Consumption
Reduction

16.57 MWh